

Statement shewing the amount of Traffic and Tolls in the Midnapore Section of the High Level Canal for May 1870.

LOCAL TRAFFIC.				STORES AND MATERIALS FOR IRRIGATION WORKS.				ABSTRACT.				REMARKS.			
Number of boats.	Nature of cargo.	Approximate value of cargo.	TONNAGE.		Tolls paid.	Number of boats.	Nature of cargo.	Approximate value of cargo.	TONNAGE.		Tolls paid.		Value of traffic.	Tonnage.	Tolls paid.
			Maunds.	Tons.					Maunds.	Tons.					
6	Coal	Rs. 690	2,525	...	Rs. As. P. 9 7 6	...	...	...	...	Rs. As. P. 1,148 6 7 1/2	1,154	Local	Rs. 19,53,709	8,306	...
6	Cotton	24,000	1,675	...	7 14 0	...	...	...	...	...	72	Irrigation works	1,17,043	1,283	294 5 4 1/2
6	Firewood	1,020	775	...	3 2 0	...	...	...	...	...	...	...	...	...	...
210	Grain	58,425	39,375	...	178 7 0	...	...	...	...	...	...	...	...	...	...
23	Hides and horns	3,350	575	...	2 10 6	...	...	...	...	...	...	...	...	...	...
23	Jaggery and sugar	23,712	8,075	...	35 11 6	...	...	...	...	...	...	...	...	...	...
3	Jute	1,500	1,675	...	17 6 6	...	...	...	...	...	...	...	...	...	...
16	Metals	1,58,750	6,275	...	28 14 8	...	...	...	...	...	...	...	...	...	...
87	Oil and oilseeds	96,425	19,125	...	153 5 0	...	...	1,17,043	35,928	1,283	...	...	...	...	...
30	Rice and paddy	6,667	8,150	...	31 6 6	...	...	...	...	...	...	...	...	...	...
122	Piece goods	1,42,800	47,600	...	215 14 8	...	...	...	...	...	...	...	...	...	...
9	Pottery	625	2,000	...	7 8 0	...	...	...	...	...	...	...	...	...	...
29	Salt	48,200	11,975	...	65 10 8	...	...	...	...	...	...	...	...	...	...
23	Silk and indigo	12,94,000	3,800	...	15 4 6	...	...	...	...	...	...	...	...	...	...
6	Straw	471	5,100	...	19 2 0	...	...	...	...	...	...	...	...	...	...
13	Tobacco	18,445	4,675	...	22 6 0	...	...	...	...	...	...	...	...	...	...
64	Miscellaneous	72,712	21,575	...	101 4 0	...	...	...	...	...	...	...	...	...	...
75	Bamboos	17	109	...	0 4 6	...	...	...	...	...	...	...	...	...	...
478	Passenger	...	5,042	...	32 9 7 1/2	...	...	...	...	...	...	...	...	...	...
	Empty	...	42,475	...	182 0 0	...	...	...	...	...	...	...	...	...	...
	Miscellaneous revenue.	...	...	...	18 2 0	...	...	1,17,043	35,928	1,283	...	...	20,70,752	9,589	1,442 12 0
1164		19,53,709	2,32,576	8,306	1,148 6 7 1/2	72									

Statement showing the amount of Traffic and Tolls on the Tidal Canal from 1st to 30th June 1870.

LOCAL TRAFFIC.				STORES AND MATERIALS FOR IRRIGATION WORKS.				TOTAL.			
Nature of cargo.	Number of boats.	Approximate value of cargo.	TONNAGE.		Tolls paid.	Number of boats.	Approximate value of cargo.	TONNAGE.		Tolls paid.	Tonnage.
			Maunds.	Tons.				Maunds.	Tons.		
Tobacco	38	28,610	17,075	..	Rs. As. P.	..	Rs.	..	..	Rs. As. P.	..
Salt	24	17,332	12,075	..	158 8 0	..	..	..	..	..	..
Cotton	2	3,900	675	..	147 13 0	..	..	..	..	..	..
Sugar	2	600	825	..	3 6 0	..	..	..	..	..	..
Coal	1	27	250	..	12 0 0	..	..	..	..	..	..
Tea	5	609	645	..	4 1 0	..	..	..	..	..	..
Cloth	5	4,550	1,330	..	3 6 6	..	..	..	..	..	..
Pottery	7	40	565	..	6 10 6	..	..	..	..	..	..
Firewood	5	678	1,010	..	3 11 6	..	..	..	..	..	..
Straw	4	179	2,250	..	12 1 3	..	..	..	..	..	..
Grain	2	850	875	..	11 4 0	..	..	..	..	..	..
Pumkin	1	16	125	..	4 6 0	..	..	..	..	..	..
Miscellaneous	25	6,325	4,940	..	0 10 0	..	..	..	..	..	..
Empty	443	..	78,700	..	48 15 6	..	..	..	..	..	..
Passenger	42	..	8,900	..	23 3 6	..	..	..	..	..	..
Lime	..	..	..	..	33 0 0	..	..	..	..	..	..
Scorles	..	..	..	..	..	..	..	..	..	..	..
Engine	..	..	..	..	..	..	..	..	..	..	..
Rice	61	23,321	28,375	..	142 12 6	..	..	..	..	..	..
Paddy	323	66,373	1,23,935	..	1,931 9 9	..	..	..	..	..	..
Mats	10	4,235	3,935	..	19 10 0	..	..	..	..	..	..
Fine Apple	3	120	315	..	1 9 3	..	..	..	..	..	..
Mango	1	20	80	..	0 4 9	..	..	..	..	..	..
Jaggery	2	330	275	..	1 6 0	..	..	..	..	..	..
Shooting	..	..	..	..	..	..	..	..	..	..	..
Rafts of Timber	..	..	..	..	0 4 0	..	..	..	..	..	..
Lock Materials	..	..	..	..	..	..	..	..	..	..	..
Vegetables	4	55	350	..	1 12 0	..	..	..	..	..	..
Total	1,008	1,57,720	2,89,365	10,334½	3,473 3 0	23	246	7,750	278	115 6 9	10,612½
							1,57,908				3,559 9 9

CALCUTTA,
The 22nd July 1870.J. F. STODDARD, Lieut.-Col.,
Assistant to Chief Engineer, Irrigation Branch, D'Engal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

ORISSA CIRCLE.

Statement shewing the amount of Traffic and Tolls on the First Section of the High Level Canal during the month of May 1870.

LENGTH OF CANAL OPENED, 26 MILES.

LOCAL TRAFFIC.				STORES AND MATERIALS FOR IRRIGATION WORKS.						ABSTRACT.				REMARKS.		
Number of boats.	Nature of cargo.	Approximate value of cargo.	TONSAGE.		Number of boats.	Nature of cargo.	Approximate value of cargo.	TONSAGE.		Tolls paid.	Number of boats.	Nature of traffic.	Value of traffic.		Tonnage.	Tolls paid.
			Mounds.	Tons.				Mounds.	Tons.							
5	Straw	25	664	...	1	Planks ...	...	175½	...	Rs. As. P.	16	Local	Rs.	13	8 5 7	
1	Rice	61	304	...	1	Bridge ...	...	...	...	1 11 2	2	Irrigation works	98	25	6 11 4	
1	Luggage	...	36	...	...	Materials	...	555	...	5 3 2	...	...	...	...	...	
1	Timber	12	120	...	...	...	...	...	...	...	...	...	...	...	...	
8	Empty	...	350½	...	...	...	...	...	...	...	...	...	...	...	...	
16		92	1,904	43	2		...	760½	25	6 11 4	18		98	68	15 3 11	

CALCUTTA,
The 22nd July 1870.

J. F. STODDARD, Lieut-Col., M.S.C.,
Asst. to Chief Engineer, Irrigation Branch, Bengal.

Meteorological Telegraphic Report for the period 17th to 23rd July 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. $\frac{H}{100}$.	WIND.		Rain.	Weather initials.	Clouds.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July				☉	☉				Inches.		
	17th	10	29.506	29.524	85.0	81.7	87	S E	...	0.27	Low send from NE.	C
	18th	16	29.439	29.457	85.5	82.9	89	S E	...	0.21	...	S, C
	18th	16	29.530	29.557	87.0	83.0	83	S S E	...	...	...	K, C
	19th	16	29.440	29.458	88.8	82.6	76	S E	...	...	...	C, K, N
	19th	16	29.545	29.553	87.6	83.0	80	S E	...	0.03	...	K
	19th	16	29.413	29.431	89.5	81.0	78	S E	...	...	...	K, N
	20th	10	29.482	29.500	87.0	81.5	77	S E	...	...	...	K
	20th	16	29.384	29.402	84.3	81.9	89	S	...	0.04	o, d	...
	21st	10	29.520	29.538	85.6	78.6	72	S S W	...	0.04	...	C, K
SARGOR ISLAND.	18th	16	29.442	29.460	84.5	80.5	83	S by E	...	...	...	K
	22nd	10	29.557	29.575	81.6	79.5	89	S by W	...	0.13	...	K
	22nd	16	29.472	29.490	81.5	80.0	93	S by E	...	0.19	o, d	...
	23rd	10	29.583	29.601	86.5	82.1	81	S S E	...	0.78	...	K
	23rd	16	29.491	29.509	83.2	80.5	89	S by E	...	...	o, r	...
	17th	10	29.502	29.508	89	81	80	S W	1	...	b, p	N
	18th	10	29.456	29.463	89	81	80	S W	2	...	b	N
	18th	16	29.539	29.545	88	83	80	S	1	0.30	b, u	N
	19th	10	29.460	29.466	89	85	84	S S W	1	...	b	N
	19th	16	29.520	29.526	90	85	80	S S E	1	0.40	b, d, v	N
CHITTAGONG.	20th	10	29.444	29.450	90	81	76	S	2	...	b	N
	20th	16	29.473	29.479	88	84	83	W	2	0.10	b, v	N
	21st	10	29.400	29.406	90	84	76	W	1	...	b, u	N
	21st	16	29.520	29.526	89	82	73	N N E	1	...	b, u	N
	22nd	10	29.425	29.431	88	82	76	S W	1	...	b, u	N
	22nd	16	29.506	29.512	87	84	87	S S W	1	0.40	q, u	N
	23rd	10	29.493	29.499	89	82	73	S S W	1	...	b, p, v	N
	23rd	16	29.594	29.600	81	80	95	N W	2	2.50	o, d, u	N
	23rd	16	29.531	29.537	86	83	87	W S W	2	...	b	N
	17th	16	29.490	29.508	87	81	78	E	7.7*	...	b	K, CS
MADRAS.	18th	16	29.445	29.573	88	84	80	S S W	11.9*	...	b	K, KS
	18th	10	29.487	29.595	89	81	80	S E	6.4*	...	b	K
	19th	16	29.450	29.558	86	81	79	S	15.0*	...	b	K, KS
	19th	16	29.493	29.601	86	81	79	S	8.3*	...	b	K
	20th	10	29.460	29.568	84	81	79	E S E	14.9*	...	b	K, KS
	20th	16	29.593	29.611	86	79	72	S	10.9*	...	b	K, KS
	21st	10	29.430	29.528	87	80	72	E S E	15.2*	...	b	K, KS
	21st	16	29.503	29.612	87	80	72	E S E	9.2*	...	b	K, KS
	22nd	10	29.417	29.525	80	81	69	S E	11.8*	...	p	K, KS
	22nd	16	29.593	29.702	86	80	75	S E	9.1*	...	b	K
CUTTACK.	23rd	10	29.503	29.612	84	79	79	S E	10.4*	...	d, u	KS, K
	23rd	16	29.598	29.708	84	79	79	S S E	10.4*	0.10	u, q	KS
	23rd	16	29.543	29.653	83	80	87	S E	15.3*	0.10	p, g	N, KS
	16th	10	29.708	29.736	85	75	60	W by S	10*	0.01	o	...
	17th	10	29.591	29.621	86	76	61	W by S	4*	...	o	...
	17th	16	29.711	29.741	85	75	60	S W	11*	0.01	b, c	...
	18th	16	29.599	29.629	93	76	43	S W by W	10*	...	b	...
	19th	10	29.751	29.781	89	75	49	W	12*	...	b, c	...
	19th	16	29.636	29.666	93	76	43	S W	9*	...	b, c	...
	20th	10	29.779	29.809	82	74	66	W by S	12*	0.58	o	...
AKYAB.	20th	16	29.672	29.702	83	76	71	S W	8*	...	o	...
	21st	10	29.777	29.807	88	77	68	W S W	12*	...	b, c	...
	21st	16	29.650	29.689	92	75	42	S W	10*	...	b, c	...
	22nd	10	29.773	29.803	85	74	67	W	11*	0.11	o	...
	22nd	16	29.668	29.698	86	75	67	S W	3*	...	o	...
	22nd	16	29.791	29.821	84	75	61	N W	4*	...	o	...
	22nd	16	29.722	29.752	87	75	65	W N W	3*	...	o	...
	16th	10	29.423	29.505	85	82	87	W	6.9*	...	d, o, u	N
	17th	10	29.347	29.429	87	82	79	S	2.4*	...	d, o, u	KS, N
	17th	16	29.493	29.575	83	79	83	N W	6.9*	...	o, u	KS, N
KALKA.	18th	10	29.465	29.547	89	81	69	S W	13.4*	0.20	r, u	CK, KS
	18th	16	29.533	29.615	86	81	79	N W	11.0*	...	d, o, u	KS
	19th	10	29.453	29.535	84	80	83	S W	12.0*	...	t, o, u	KS, N
	19th	16	29.525	29.607	84	80	83	S W	11.9*	...	o, u	KS, N
	20th	10	29.414	29.492	87	82	79	S W	7.7*	...	d, o, u	N
	20th	16	29.510	29.593	81	77	82	W by N	7.8*	0.10	d, o, u	KS, N
	21st	10	29.424	29.505	85	79	75	S W	15.5*	...	o, u	KS, CK, N
	21st	16	29.565	29.587	84	78	75	S W	9.5*	...	o, u	KS, N
	22nd	10	29.413	29.495	84	79	79	S W	12.9*	...	d, o, u	KS, N
	22nd	16	29.513	29.625	86	81	79	W	7.8*	...	o	CK, KS, N
KALKA.	23rd	16	29.447	29.529	88	82	76	S W	9.1*	...	o, u, d	CK, KS, N
	17th	10	29.627	29.642	82	79	87	S E	1	1.50	l	KS, N
	18th	10	29.616	29.630	83	80	87	S	1	0.30	d	CS, N
	18th	16	29.669	29.684	81	78	86	S E	1	1.60	...	KS, N, K
	19th	10	29.610	29.626	81	78	86	S E	1	1.70	d	KS
	19th	16	29.737	29.752	78	75	86	S	1	2.40	p	N
	20th	10	29.670	29.690	79	76	86	S E	1	0.60	g	KS, N
	20th	16	29.727	29.742	82	79	87	S E	1	0.50	b	C, CS
	21st	10	29.632	29.647	80	77	86	S	1	0.10	r	KS, N
	21st	16	29.655	29.670	80	77	86	S	1	1.50	d	K, KS
KALKA.	22nd	10	29.639	29.664	81	77	82	S E	1	0.60	g	KS, N
	22nd	16	29.734	29.749	83	78	78	S E	1	0.40	g	KS, N
	23rd	10	29.649	29.664	81	77	82	S	1	...	re, d, g	KS
	23rd	16	29.764	29.779	83	79	83	S	1	3.60	d, g	KS, N
KALKA.	23rd	16	29.657	29.672	82	77	78	S E	1	0.30	g	KS, N

* Velocity of wind in miles per hour.

CALCUTTA,
The 23rd July 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office

CIRCLE.	STATIONS.	Rainfall from 4th to 10th July 1870.	Rainfall from 11th to 17th July 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
SOUTH-WESTERN.	Pooree	Inch. 0.13	Not received	Inch. 3.35	10th July 1870.	Not received 20th to 26th June.
	False Point	2.30	ditto	11.10	ditto.	
	Cuttack (Telegraph Office	0.20	4.30	17.60	17th July 1870.	
	Cuttack (Jail	0.64	4.68	17.74	ditto.	
	Sambulpore	0.24	Not received	20.72	10th July 1870.	Not received 7th to 12th March, 11th to 17th April, 25th April to 1st May, 9th to 22nd May, and 30th May to 5th June.
	Balasore	2.52	ditto	17.29	ditto.	
	Blundruck	0.24	ditto	7.42	ditto	Not received 1st January to 15th June.
	Khoerdah	1.87	ditto	3.17	ditto	Not received 1st January to 25th June.
	Midnapore	Not received	ditto	4.20	5th June 1870.	
	Bamcoorah	2.34	0.60	12.39	17th July 1870.	
WESTERN.	Chyebasra	3.30	2.55	61.85	ditto.	
	Paruna	4.70	0.15	17.91	ditto.	
	Golindapore	Not received	Not received	0.98	5th June 1870.	Not received 1st January to 22nd May.
	Palamow	2.24	ditto	9.26	17th July 1870.	Not received 1st January to 5th June.
	Burdwan	1.72	0.32	12.76	ditto.	
	Cutwa	4.17	0.69	4.86	ditto	Not received 1st Jan. to 3rd July.
	Culna	0.80	0.49	1.38	ditto	ditto
	Bond-Bond	1.12	0.26	1.28	ditto	ditto
	Ranegunge	4.97	4.93	23.15	ditto.	
	Source	Not received	0.13	18.89	ditto	Not received 4th to 10th July.
CENTRAL.	Deoghur	5.20	3.10	2.03	ditto.	
	Burhee	3.92	5.70	16.01	ditto.	
	Hazareebugh	4.38	0.50	18.85	ditto.	
	Ranchee	0.87	1.80	22.29	ditto.	
	Sasseram	Not received	Not received	9.61	3rd July 1870.	Not received 1st January to 27th March.
	Saugor Island	1.70	1.00	18.30	17th July 1870.	
	Contai	2.28	0.10	9.05	ditto.	
	Calcutta	1.17	1.44	21.52	ditto.	
	Howrah	0.78	1.98	19.18	ditto.	
	Allipore	0.84	1.42	15.83	ditto	Not received 1st January to 29th May.
NORTH-WESTERN.	Barrackpore	Not received	Not received	3.46	26th June 1870.	Not received 1st January to 1st May.
	Dum Dum	ditto	ditto	7.32	ditto	ditto
	Baraset	ditto	ditto	11.21	ditto	ditto
	Satkerah	ditto	ditto	16.22	ditto	ditto
	Boseerhaut	ditto	ditto	6.09	ditto	ditto
	Diamond Harbour	ditto	ditto	12.73	ditto	ditto
	Barripore	ditto	ditto	16.23	ditto	ditto
	Hooghly	3.94	1.06	22.81	17th July 1870.	
	Jessore	1.91	1.48	29.81	ditto.	
	Kishnaghur	Not received	Not received	13.63	3rd July 1870.	Not received 1st to 10th Jan. and 4th to 10th April.
	Ranaghat	0.55	0.30	16.47	17th July 1870.	Not received 1st Jan. to 6th Feb. and 4th to 10th April.
	Bongong	1.19	1.92	16.43	ditto	Not received 1st to 9th Jan. and 4th to 10th April.
	Meharpore	3.90	0.40	18.10	ditto	Not received 1st Jan. to 6th Feb. and 4th to 10th April.
	Choudangah	3.90	Nil	18.42	ditto	ditto
	Kooshteah	3.16	0.79	24.17	ditto.	
	Berhanpore	6.56	0.83	21.01	ditto.	
	Furreespore	3.75	1.17	31.82	ditto.	
	Dowlat Khan	0.39	0.77	1.16	ditto	Not received 1st Jan. to 8th July.
	Barrisaul	3.67	0.74	32.83	ditto.	
	Perozepore	Not received	1.01	1.61	ditto	Not received 1st Jan. to 10th July.
	Madaripore	ditto	1.02	1.02	ditto	ditto
	Gangubore	2.20	1.50	14.06	ditto.	
	Mudheypoorah	3.70	4.03	17.29	ditto	Not received 1st Jan. to 1st May.
	Banka	6.46	1.45	14.04	ditto	Not received 1st Jan. to 24th April and 20th to 20th June.
	Monghyr	2.18	1.60	11.34	ditto.	
	Jannoe	4.00	3.50	17.04	ditto	Not received 1st Jan. to 24th April.
	Begoosari	2.39	1.25	11.75	ditto	Not received 1st January to 5th May and 23rd to 29th May.
	Gya	3.16	Nil	0.30	ditto.	
	Sherghotty	1.29	0.52	9.75	ditto	Not registered 1st January to 12th June.
	Nowadah	5.04	0.56	10.80	ditto	Not received 1st January to 10th June.
	Behar	5.96	0.50	12.96	ditto	Not received 1st Jan. to 20th March.
	Patna	1.43	1.10	8.98	ditto.	

CIRCUIT.	STATIONS.	Rainfall from 30th to 10th July 1870.	Rainfall from 10th to 15th July 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
NORTH-WESTERN.—(Contd.)	Arungabad	Inch. Not received	Inch. 1 15	Inch. 1 45	17th July 1870.	Not received 1st Jan. to 10th July.
	Blindooah	6 35	1 86	16 26	ditto	Not received 1st Jan. to 21st April.
	Barh	Not received	0 77	5 99	ditto	Not received 1st Jan. to 15th May, and 4th to 10th July.
	Arrah	9 22	0 72	12 56	ditto	
	Puxar	5 18	0 27	11 59	ditto	
	Chuprah	2 15	1 58	16 29	ditto	
	Sewan	6 63	Not received	14 99	10th July 1870	Not received 1st Jan. to 1st May, and 27th June to 3rd July.
	Chumparun	4 70	ditto	25 90	ditto	
	Benares	6 10	ditto	9 86	ditto	
	Mozufferpore	1 50	9 59	23 60	17th July 1870	Not received 1st Jan. to 28th Feb.
NORTHERN.	Dinapore	3 02	0 13	9 89	ditto	Not received 1st Jan. to 13th Feb.
	Rampore Beaulah	3 54	0 15	13 92	ditto	
	Natore	4 58	Not received	13 76	10th July 1870	Not received 1st Jan. to 1st May and 20th to 26th June.
	Palna	5 57	1 10	25 19	17th July 1870	
	Coimbercolly	2 48	0 08	20 36	ditto	Not received 1st Jan. to 1st May.
	Serajgunge	4 90	Not received	16 33	10th July 1870	Not received 1st Jan. to 15th May.
	Maldah	Not received	2 81	17 74	17th July 1870	Not received 1st to 10th July.
	Bograh	5 10	1 57	32 18	ditto	
	Dumapore	6 75	3 71	43 42	ditto	Not received 27th June to 3rd July.
	Rungpore	11 17	1 22	7 04	ditto	
NORTH-EASTERN.	Elacottah	11 80	17 77	29 57	ditto	Not received 1st Jan. to 3rd July.
	Boda	6 60	Not received	22 98	10th July 1870	Not received 1st Jan. to 26th Jan.
	Titalya	17 97	8 56	38 53	17th July 1870	Not received 1st Jan. to 3rd July.
	Buxa	Not received	Not received	100 10	30th June 1870	Not received 1st to 31st May
	Rangbee	ditto	ditto	23 25	31st May 1870	
	Darjeeling (Telegraph Office)	ditto	ditto	59 69	30th June 1870	
	Jail	5 17	3 36	56 77	17th July 1870	
	Gawalharah	6 16	Not received	82 65	10th July 1870	
	Dhobree	6 35	3 98	60 02	17th July 1870	Not received 1st Jan. to 29th May.
	Gowinatty	1 46	Not received	32 69	10th July 1870	Not received 20th to 26th June.
SOUTH-EASTERN.	Toora (Garo Hills)	18 97	ditto	42 71	ditto	Not received 1st Jan. to 12th June.
	Shillong	4 10	ditto	31 21	ditto	
	Jowai	11 70	ditto	36 79	ditto	Not received 1st Jan. to 20th June.
	Nunklow	Not received	ditto	11 69	31st May 1870	
	Noxong	ditto	Not received	23 00	19th June 1870	Not received 2nd to 8th May.
	Tezpor	2 05	ditto	48 63	10th July 1870	Not received 30th May to 6th June.
	Dhoibagram	2 93	ditto	40 29	ditto	
	Burpettah	6 60	ditto	6 60	ditto	Not received 1st Jan. to 3rd July.
	Sechsangor	3 37	ditto	45 68	ditto	
	Dehrooghur	6 29	ditto	81 12	ditto	Not received 1st to 9th Jan.
SOUTH-EASTERN.	Suddya	Not received	ditto	19 83	3rd July 1870	Not received 1st Jan. to 19th June.
	Samoogoodting	ditto	ditto	19 59	ditto	Not received 1st and 2nd Jan.
	Dacca (Telegraph Office)	ditto	ditto	11 95	31st May 1870	
	Jail	ditto	ditto	18 75	3rd July 1870	
	Mymensing	11 47	ditto	35 02	10th July 1870	
	Jamalpor	9 23	ditto	16 63	ditto	Not received 1st Jan. to 19th June.
	Kishorgunge	Not received	ditto	0 27	3rd July 1870	Not received 1st Jan. to 30th June.
	Sylhet	10 00	ditto	71 25	10th July 1870	
	Cachar	5 92	ditto	48 64	ditto	
	Aenakhall Hylakandy	3 96	ditto	45 28	ditto	
SOUTH-EASTERN.	Tippurah	8 07	9 39	35 52	17th July 1870	
	Noakhally	7 39	Not received	29 65	10th July 1870	Not received 14th to 20th March.
	Chittagong (Telegraph Office)	3 99	0 10	31 71	17th July 1870	
	Jail	3 58	Not received	29 10	10th July 1870	
	Rangamates Hill	Not received	ditto	31 69	3rd July 1870	
SOUTH-EASTERN.	Akyab	5 20	2 30	68 00	17th July 1870.	

CALCUTTA.
The 23rd July 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 15th to 21st July 1870.

MONTH.	Date.	Mean reduced Barometer. Inches.	THERMOMETER.		Max Solar radiation. °	Mean Dry Bulb. °	Mean Wet Bulb. °	Computed Mean Dew-point. °	Mean degree of humidity.	WIND.			Rain. Inches.	GENERAL REMARKS.
			Highest Reading. °	Lowest Reading. °						Prevailing direction.	Max. pressure. lb.	Daily velocity. Miles.		
July	15th	29.458	91.0	82.0	120.0	85.7	81.8	79.1	0.81	SSE & SE	...	160.2	0.37	Chiefly cumuli. Slight rain at 2½, 11, & 11½ A.M.; 2, & 5½ P.M.
	16th	29.457	90.0	80.8	117.5	83.0	81.4	79.6	0.87	ESE & variable.	...	180.0	0.77	Cirri & nimbi. Rain at 5 & 10 A.M. & 1, 1½, 4½, & 6½ P.M.
	17th	29.486	89.4	80.8	123.0	84.1	81.4	79.5	0.86	SE & S by E	...	129.6	0.30	Chiefly cirri. Thunder at 1½ & 2 P.M. Slight rain from 5½ to 6½, at 10½ & 12½ A.M., & from 2 to 3½ P.M.
	18th	29.507	89.0	81.2	126.2	84.8	81.8	79.7	0.85	S by E & S	...	128.0	...	Cumuli & cirri. Thunder at 6 P.M. Drizzled at 6 & 12 A.M.
	19th	29.484	90.8	81.7	130.0	85.5	81.8	79.2	0.82	S by E, ESE, SE & S	...	127.1	0.03	Chiefly cumuli. Slight rain at 3 A.M. & 3 P.M.
	20th	29.411	89.9	81.2	125.0	83.9	81.1	79.1	0.80	SE & S	...	203.3	0.08	Clear, cumuli, & overcast. Thunder at 11½ P.M. Lightning at 9 & 11½ P.M. Slight rain after intervals from 12 A.M. to 11 P.M.
	21st	29.479	88.2	80.0	124.0	82.8	79.7	77.5	0.85	SSW & S by E	...	113.9	...	Cirri & clouds of different kinds. Thunder at 1 P.M. Lightning to N. at 8½ P.M. Drizzled at 1 & 2½ P.M.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the Anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	11.0
The max. temperature during the past seven days	...	91.0
The max. temperature during the corresponding period of the past year	...	88.0
The mean humidity during the past seven days	...	0.85
The mean humidity during the corresponding period of the past year	...	0.90
		Inches.
The total fall of rain from 15th to 21st	by lower rain gauge	1.55
	by Anemometer gauge	1.39
Ditto ditto, average of sixteen previous years	...	2.68
Ditto between the 1st January and the 21st current	...	24.26
Ditto ditto ditto, average of 16 years...	...	32.79

GOPEENAUTH SEN,
In charge of the Observatory.

The 25th July 1870.

**Abstract of the Results of the Hourly Meteorological Observations taken
at the Surveyor-General's Office, Calcutta, in the month of
June 1870.**

LATITUDE 22° 33' 1" North, Longitude 88° 20' 31" East. Height of the Cistern of the Standard Barometer above the Sea Level, 18·11 feet.

MONTHLY RESULTS.

	Inches.
Mean height of the Barometer for the month	29·604
Max. height of the Barometer occurred at 9 A.M. on the 6th	29·768
Min. height of the Barometer occurred at 5 P.M. on the 19th	29·236
Extreme range of the Barometer during the month	0·532
Mean of the daily Max. Pressures	29·668
Ditto ditto Min. ditto	29·535
Mean daily range of the Barometer during the month	0·133
	°
Mean Dry Bulb Thermometer for the month	81·7
Max. Temperature occurred at 1 & 2 P.M. on the 1st	97·5
Min. Temperature occurred at 9 P.M. on the 1st	76·5
Extreme range of the Temperature during the month	21·0
Mean of the daily Max. Temperature	90·6
Ditto ditto Min. ditto	79·8
Mean daily range of the Temperature during the month	10·8
Mean Wet Bulb Thermometer for the month	80·4
Mean Dry Bulb Thermometer above Mean Wet Bulb Thermometer	4·3
Computed Mean Dew-point for the month	77·4
Mean Dry Bulb Thermometer above computed mean Dew-point	7·3
	Inches.
Mean Elastic force of Vapour for the month	0·992
	Troy grain.
Mean Weight of Vapour for the month	9·87
Additional Weight of Vapour required for complete saturation	2·55
Mean degree of humidity for the month, complete saturation being unity	0·80
Mean Max. Solar Radiation Thermometer for the month	125·7
	Inches.
Rained 20 days,—Max. fall of rain during 24 hours	4·39
Total amount of rain during the month	16·09
Total amount of rain indicated by the gauge attached to the Anemometer during the month	11·59
Prevailing direction of the Wind	S, S S W & S by E

The 21st July 1870.

GOPFENAUH SEN,
In charge of the Observatory.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 3, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Annual General Report of the Chota Nagpore Division for 1869-70.

From COLONEL E. T. DALTON, C.S.I., Commissioner of Chota Nagpore, to RIVERS THOMPSON, Esq., Officiating Secretary to the Government of Bengal, General Department,—
(No. 1721, dated Chota Nagpore, the 18th June 1870.)

* * * * *

I.—ANNUAL COLD WEATHER TOUR.

7. He found generally that the harvest had been good, and the condition of the people was satisfactory. He inspected the moon-siffs' courts, police stations, distilleries, and various schools noted in the margin. In his communications with the zemindars he endeavoured to induce them to take better measures for the preservation of their forests. They all appeared willing to take his advice, but Mr. Clay does not

Schools.	Distilleries.	Police stations.
1. Chatnah.	1. Chatnah.	1. Manbazar.
2. Manbazar.	2. Ruggbonathpore.	2. Gavindpore.
3. Govindpore.	3. Burrabazar.	3. Soopore.
	4. Jhaddah.	4. Raipore.
		5. Burrabazar.
		6. Bagmoondoe.

place much reliance on their promises, or indeed on their power to inaugurate preservative measures, and strongly advocates legislative action in the matter. He notes there are considerable tracts in Maunbboom where the soil is unsuited for cultivation, but on which nevertheless sal grows luxuriantly when permitted to live but this is rarely the case. It is only in forests in the remotest parts of the district that good timber is still found.

* * * * *

II.—WEATHER AND PUBLIC HEALTH.

13. *Loharduggah.*—During the year under review the weather in Chota Nagpore Proper was on the whole seasonable. The register of rainfall kept at the Dorundah cantonment shewed 52·56 inches, whilst that kept by the civil surgeon at Ranchee gave 36·92 inches only. This great difference in the rainfall at the two places, only two miles apart, is supposed to arise from civil surgeon's rain-guage having been out of order. A new one has been recently supplied. The rainfall in the Palamow sub-division is reported to be rather above the average, and this caused a good deal of damage to the rubber crop, though at the same time it was beneficial to the khurreef.

14. The health of the people of Chota Nagpore Proper was much the same as usual. Fever and small-pox appeared in certain parts of the district, but not to any very great extent. In the sub-division the general health of the people was very indifferent. Cholera broke out in April and raged virulently till the month of August. The civil surgeon at the headquarters was deputed to render assistance, but mortality was severe. Fever and small-pox were also prevalent at certain times of the year, and towards the close of it cholera broke out again; but the village in which it first appeared was isolated by the sub-divisional officer, and thus the disease could not spread, and eventually died away. The people were still suffering from the scarcity which had fallen over them during the preceding year, and hence they were the more disposed to take disease; but they got over the scarcity by the end of August, when the khurreef crop was reaped, and are now rapidly recovering themselves.

15. *Hazareebaugh*.—Colonel Boddam reports that the weather in his district was on the whole favorable. The rainfall, though somewhat below the average, was seasonable, and the out-turn of crops, both rubbee and khurree, was generally a full one. The public health during the year is reported to be particularly good.

16. *Maunbhoom*.—The weather in this district is reported to have been generally seasonable, and though in some parts of the district a deficiency of rainfall was complained of, the deputy commissioner estimates the out-turn of paddy to have been a 12-anna crop throughout his district, and by this he means a fair average crop; as he explains that what he regards as a 16-anna crop is something unusually plentiful when lands of all kinds yield abundantly. The rubbee is well reported of, but the mowah crop was rather below the average, though not seriously deficient.

17. Fever, cholera, and small-pox, are endemic diseases of this district, and broke out during the year under review in their usual but not in their serious epidemic form, though of the last-mentioned disease there were one or two rather sharp outbreaks. Cattle-pox or *gootee* was prevalent as usual, but it was not of that dangerous type in which it appears in Assam and Lower Eastern Bengal.

18. In the Govindpore sub-division the public health is reported to have been on the whole good. There were two or three outbreaks of small-pox during the year, but the casualties from them were not very great. One or two isolated cases of cholera were reported, but Captain Lewis doubts if they were real cholera cases. Several sharp outbreaks of cattle plague occurred in the sub-division, and carried off a good many head of cattle.

19. *Singbhoom*.—The deputy commissioner notes the approximate mean temperature of his head-quarters to have been 85°, and the rainfall 56°, and reports the general health of the district to be good. Measles, chicken-pox, and cholera, appeared in their mild form, and fever was prevalent in the town of Chyebassah.

20. Referring to the Government orders No. 835 of the 22nd June 1869, all the district officers in this division express their inability to bring to notice a single instance in which a zemindar distinguished himself by organizing means calculated to improve the health of the villages in his estate.

III.—PUBLIC CHARITIES.

21. *Loharduggah*.—The charitable dispensary at Ranchee continues to be well supported by the residents, and to be of great use to the poor classes. A subscription list has been opened during the year for the erection of a new building, and up to date about Rs. 1,500 have been raised. A new and a better site has been secured for the institution, and it is hoped that the building will be commenced and completed in the next cold weather.

22. The institution at the head-quarters of the Palamow sub-division is reported to be progressing favorably, and to be much appreciated; but Mr. Forbes complains bitterly of the manner in which it is supplied with European medicines, and observes that the credit of the institution has suffered materially in consequence. The number of in-door patients throughout the year was 59, and that of out-door 571; the daily average of the former being 4.5 and of the latter 6.

23. *Hazareebaugh*.—The Hazareebaugh dispensary is reported to be progressing satisfactorily, and to be much appreciated by the natives. An additional ward has been added to the institution for reception of females, and a room has been provided, in which operations may be performed out of sight of the other patients.

24. The Burhee dispensary is progressing well, but funds are wanted for the erection of a few out-offices that are much needed.

25. *Maunbhoom*.—A very handsome and commodious hospital and dispensary has now been completed at Purulia. The institution is well managed by a zealous committee, and well supported by the principal residents of the place and zemindars, and appreciated by the people.

26. *Singbhoom*.—The only charitable institution in this district is the Government charitable dispensary at the head-quarters. The admissions in 1869 were 1,922, of whom 1,689 were cured, 194 ceased to attend, 8 died, and 31 remained in hospital.

IV.—TEA, COFFEE, &c., CULTIVATION.

27. The year under report appears to have been exceedingly discouraging to the prospects of the tea planters in this division, and this is the more unsatisfactory; as for other produce the season was not unfavorable. The extreme aridity of the air throughout April and May 1869, and almost total absence of the north-western winds that generally occur in those months, most unfavorably affected the tea plants. Mr. Waller, in charge of the Palandoo plantations near Ranchee, says—"The tea plants were so crippled in consequence of such weather, that amongst many of the plants it required a month of the rains, others again fifteen days before they produced flushes;" but the rains continuing pretty evenly after this till October, the eventual yield in Mr. Waller's plantation was above his estimate; but he is unable to speak encouragingly of his prospects for the current year, and comes to the conclusion that the soil and climate are unsuited to tea.

28. The report of Mr. H. Stainforth's operations is not more satisfactory. He says the present season has been very adverse to the tea plant from want of rain, and he has determined on not extending his cultivation until the nature of the soil has been changed by

liberal supplies of manure, without which the tea plant cannot produce leaf as it should, or prove remunerative.

29. I have very little information regarding the Hazareebaugh tea plantations. Colonel Boddam, the deputy commissioner, states—"There is no increase in the number of tea plantations in the district, nor of the area under tea cultivation. The out-turn in each plantation was below the estimate, and in each from the same cause, *viz.*, the hot winds causing the leaves to shrink up and drop off, and thus throwing back the flushes. This is an evil which cannot be remedied, and which, I fear, will always prevent a tea plantation in this district being a very profitable speculation, or even a paying investment."

30. In regard to the coffee, it will probably soon cease to be seen here, except in a few private gardens.

V.—ANNUAL FAIRS.

31. Two annual fairs are held in this division during the cold weather—one at Chootea, in the Loharduggah district, the other at Chyebassah, the head-quarters of Singbhoom.

32. The last Chootea fair commenced on the 17th February, and ended on the 5th March following. It was not well attended this time by the native chiefs from the Tributary Mehals. It was a great year for marriages, and the zemindars of the largest estates are now chiefly minors; consequently the sale of articles was not so large as usual. The total estimated value of all the articles brought to the fair was about Rs. 1,56,750, and the value of the articles sold may be approximately stated to be Rs. 28,600. The largest dealings were in cloth, brass utensils, coral, carpets, and spices. With the exception of about a thousand young buffaloes, no other cattle were brought to the fair. Prizes to the amount of Rs. 335 were given to those who possessed the best specimens of the articles brought.

33. A report on the result of the last fair held at Chyebassah was submitted with my endorsement No. 128, dated 21st January 1870.

* * * * *

VII.—STATE OF PUBLIC FEELING ON GENERAL OR SPECIAL SUBJECTS.

36. Under this heading I noticed in my general report for last year the excitement in the Loharduggah district on the land tenure question, and the measures that had been adopted by the Government of Bengal to remove the grounds of dissatisfaction that caused this excitement. I have now before me a statement shewing the work done by the special commissioner under the Chota Nagpore Land Tenure Act during the year ending 31st March last.

37. One pergunnah, Lodmah, has been disposed of, and the final demarcation, mapping, and registration of the peculiar tenures in 63 villages, completed. In 41 villages of other pergunnahs the investigation and demarcation of the holdings are complete, and final registration is in hand. In 42 villages all disputes have been decided, the holdings have been defined and surveyed, but not yet mapped; in 67, disputed claims are still under investigation. The above gives the number by villages. The number of claims instituted was 858, and 405 have been wholly disposed of.

38. Considering how carefully every claim has to be investigated, and the number of stages each case has to go through, we must not expect very rapid progress; and it is calculated that at the above rate the enquiry could not be completed in less than ten years. The appointment of another special commissioner from the commencement of the next field season has, I believe, been determined on.

39. Though only one length of the work has been done in a year, and we are obliged to turn a deaf ear to petitions from all sides for the special commissioner to investigate cases out of the tract allotted to him, there can be no doubt that the object has been attained of a very great abatement of the excitement on the subject. On the part of zemindars, I have heard of no objections to the provisions of the bill, or generally, as to the result of the investigations. The people would have preferred a bill for the registration of all lands, and are disappointed when they find their efforts to bring ancient alienations and evictions within the scope of the Act are frustrated; but on the whole, considering the extravagance of their pretensions at starting, they are more content than I thought they would have been.

* * * * *

VIII.—ACCIDENTAL DEATHS, SUICIDE.

41. The Lohardugga return shews considerable increase in deaths by snakes and wild animals and from fall from trees, whilst the statements from the other three districts shew a satisfactory decrease in the number of casualties from wild animals. In Singbhoom the increase is only in suicides; the unhappy propensity of the people to resent the slightest insult or imputation by putting an end to their own existence still continuing. The deputy commissioner notes amongst the cases one in which a wife poisoned herself because her husband reproved her for being untidy, and another, in which a woman could not survive being asked to feed her child.

42. The large rewards we are now giving to those who kill destructive wild animals has given an impetus to the shikaris that already tells on these returns. There is a sensible decrease in mortality from this cause in all the districts except Loharduggah.

* * * * *

Annual General Report of the Burdwan Division for 1869-70.

From C. T. BUCKLAND, Esq., Commissioner of the Burdwan Division, to the Secretary to the Government of Bengal,—(No. 225, dated Burdwan, the 8th July 1870.)

I HAVE the honor to submit the annual general report of this division for the year 1869. The submission of this report has

Howrah	...	...	11th May 1870.
Midnapore	...	...	22nd April "
Hooghly	...	...	20th May "
Beerbhoom	...	...	6th June "
Burdwan	...	...	28th May "
Bancoorah	...	...	23rd June "

been much delayed in consequence of the non-receipt of the district reports, which only came to hand in a complete form on the dates noted in the margin.

2. *Weather*.—The Magistrate of Bancoorah has submitted a detailed report under this head from the civil medical officer of the district, from which it appears that the total rainfall during the year was 50·6 inches; there being a decrease of 10·65 inches on the rainfall of the previous year. The rains commenced on the 9th June and terminated on the 21st October. The mean temperature in 1869 was 76·9 against 79·58 of the previous year. On the 8th of October a slight cyclone occurred at Bancoorah, doing some inconsiderable injury to the town, but the crops suffered very little from its effects.

3. The Magistrate of Beerbhoom reports that during the year under report the weather was seasonable, the hot months much as usual, and the rains copious, lasting till the 20th October. The total rainfall during the year was 76·8 inches against 41 of the previous year.

4. In Burdwan the rainfall seems to have been fairly distributed throughout the year. The town of Burdwan and its immediate neighbourhood suffered a good deal for want of rain from the 11th to the 24th June, and also throughout July. The rains, however, lasted till the 8th October, on which date nearly five inches of rain fell. No rain fell after that date. The Magistrate reports that on the 9th June a cyclone passed over the district, doing some damage to cutcha buildings, but in other respects no harm was done. The total rainfall in the district was only 39·9 inches against 9½ inches of the previous year—a fact in itself very significant.

5. The Magistrate of Hooghly states that there was a want of rain throughout the district till the middle of September. But this seems to be scarcely correct, as a reference to the register of rainfall shows that in June there were 14·6 inches of rain, and in July more than 15 inches of rain registered. In the district there was as much want of rain generally as in Burdwan; the total rainfall being 55·7 against 111 inches of the previous year.

6. The Magistrate of Howrah observes that there was nothing unusual to be reported under this head. From the register of rainfall it would, however, seem that there was a considerable difference in the rainfall during the months of June, July, August and September; being 17, 11½, 6 and 10 inches respectively against 30, 14, 25 and 21 inches of 1868.

7. In the district of Midnapore the weather during the year was generally mild. There was a want of rain during June and July, and for a short time anxiety was felt about the prospects of the harvest. The district was visited by a heavy gale on the 7th October, but no material damage was caused by it. The rainfall during the year amounted to 40·1 inches against 68 inches of the previous year; the greatest quantity of rain on any one day being 2·9 inches on the 13th July. The contrast is marked between the total rainfall in June and August of this and the previous year; being 4 and 2 inches in 1869 against 22 and 20 inches in 1868. The highest temperature in the shade during the year was 99° and the lowest 59°.

8. *Crops*.—The Magistrate of Bancoorah states that the outturn of the rice crop was higher than that of the preceding year. It was about a 14-anna crop. The sugarcane and rubber crops, although good, were less in quantity than in the last year, owing to the want of rain from October.

9. In Beerbhoom the crops are said to have been very good owing to the plentiful rains.

10. The Magistrate of Burdwan reports that the state of the crops was favorable; the average outturn being more than 12 annas in the case of the *ous* crop, and about 12 annas in the case of the *amun* crop, except in and about the town of Burdwan, where the produce scarcely came up to the general average.

11. In the district of Hooghly the crop suffered at times from want of rain, but on the whole the harvest was not a bad one. From the reports received, the Magistrate thinks that the crops were about three-fourths of an average crop in the sudder sub-division, below an average crop in the Serampore sub-division, and a good average crop in the Jehanabad sub-division.

12. In Howrah the rice crop of the district was plentiful. The ordinary pulses were produced in fair proportion, and there was also a good yield of sugarcane. The vegetable market during the year was well supplied and cheap.

13. In Midnapore the harvest was slightly injured by the drought in some parts, the upper or high-land crops having been indifferent. The low-land crops, however, were about the average, and there was certainly nothing approaching to distress.

14. *Public health*.—With reference to public health in Burdwan and Hooghly, separate reports were submitted to Government—*vide* this office letters Nos. 80T and 209T, dated respectively the 7th February and 4th April last.

15. The health of the district of Bancoorah was good. The epidemic fever, which had raged at Sonamookhy and other places in the district, had disappeared. Cholera was rare, and small-pox almost absent.

16. In Beerbhoom there was a good deal of fever during the year, particularly in the eastern and south-eastern parts of the district. The Magistrate states that at first there were some reasons to apprehend that this fever was similar to the epidemic fever of Burdwan and Hooghly. The civil surgeon, however, doubts its identity with that disease. There were some scattered cases of cholera in the district, but there was no small-pox of any importance.

17. In Howrah, the only places where sickness to an unusual extent prevailed for some time were the police jurisdictions of Amta and Juggutbullubpore. At both these places remittent fever was very prevalent in November last, though not in an epidemic form; but it gradually disappeared in the course of three weeks. One or two cases of cholera were reported at Bagnan towards the close of the year, but the disease appeared only in a sporadic form.

18. The Magistrate of Midnapore reports that with the exception of one outbreak of small-pox, and some sporadic cholera cases, no special sickness prevailed during the year in the district. The cases of cholera were not numerous or severe in type; small-pox was very general in the district; but a great deal of it was caused by injudiciously conducted inoculation. It is gratifying to learn that vaccination is coming very much into favor. The Magistrate was informed that at Tumlook it had obtained the credit of stopping an epidemic, and he hopes that in a few years the prejudice against it will expire.

19. *Public charities, Bancoorah.*—There are no institutions to be classed under this head except the charitable hospitals at Bancoorah and Raneeunge, which do considerable good, and are deserving of more public support than they receive, a very large proportion of their patients being pilgrims to and from Juggernath.

20. In Beerbhoom there are no public charities except the charitable dispensary at Soory. It is miserably supported, and would perish but for the contributions of the European residents.

Maharajah's dispensaries at Burdwan and Culna.
Burdwan charitable dispensary.
Boddood do. do.
Cutwa do. do.
Chuckdighee do. do.

21. The six charitable dispensaries in the district of Burdwan, as per margin, still continue to flourish. All these dispensaries were visited by the Magistrate in the course of his cold-weather tour. The Magistrates are generally favourable

to their management and usefulness.

22. The principal dispensaries in the district of Hooghly are—

Hooghly Emambarah.
Hospital and dispensary.
Sultangacha.

Bidabatty.
Dwarbashinee.
Ooterparah and Serampore.

23. Of Sultangacha charitable hospital the civil surgeon reports that it is in charge of a 3rd grade graduate of the Medical College, sub-assistant Dyal Kishen Ghose. The institution, though in its infancy, enjoys the confidence of the people resorting to it.

24. The Bidabatty charitable dispensary is in charge of a Bengalee class native doctor, Pooro Chunder Banerjee. The civil surgeon found the attendance good, and reports that the dispensary is appreciated by the people.

25. Of the Dwarbashinee charitable dispensary it is said that the attendance is good.

26. The Emambarah hospital is in charge of a 1st grade graduate of the Medical College, sub-assistant surgeon Neel Madhub Mookerjee, of 23 years' standing in the service, receiving a salary of Rs. 200 per mensem. The institution is deservedly popular, and is under the immediate control and inspection of the civil surgeon.

27. No detailed reports have been received regarding the Serampore and Ooterparah dispensaries, but the Serampore institution was the subject of the correspondence noted in the margin between this office and the Government during the course of the year.

Letter to Government, No. 6, dated 8th January 1870.
Letter from Government in reply, No. 284, dated 20th January 1870.

28. The only public charity existing in the district of Howrah is the Howrah General Hospital. The funds of this institution are at present reported to be in a very low state, so much so that at a recent meeting the committee declared that there was no likelihood of their being able to make good the grant of Rs. 5,000 promised to the native hospital committee. The schemes for opening two charitable dispensaries, one at Howrah, for the exclusive benefit of natives, and the other at Bagnan on the Midnapore high road, are in progress, and have formed the subject of a special correspondence. (*Vide* this office letter No. 196, dated 18th November 1868.)

29. In the district of Midnapore a new charitable hospital has been established at Ruthgora by the Rajah of Mysadul for the benefit of the surrounding villages, as reported in this office letter No. 56, dated 5th March 1869.

30. *Public feeling.*—In Bancoorah there is nothing particular to notice except that the Magistrate states that the people are fully persuaded that the preparations for the census of 1871 are made with the view of increased taxation.

31. In Beerbhoom the Magistrate reported that the people of the district were generally dissatisfied with the income tax. On being called on to explain this more fully, the

Magistrate states that the dissatisfaction, if real, is of a general character with reference to the imposition of a tax on incomes, and has not any connection with the operation of the Income Tax Act, or with the mode of assessment.

32. In Burdwan, Hooghly and Howrah the Magistrates report that there is nothing particular to notice.

33. In Midnapore the Magistrate states that the public has been tolerably healthy, and, beyond some amount of rather excusable dislike to the income tax, the people have not shown any sign of discontent.

34. *Hook swinging.*—There was no hook swinging in any of the districts of this division except in Howrah, where two cases were reported to have occurred within the jurisdiction of the Doomjor station. The persons concerned in them were ten in number. They were all summoned before the Magistrate, convicted, and sentenced to pay fines varying from Rs. 2 to 5 under section 188 of the Indian Penal Code for disobedience to a duly promulgated order of Government.

* * * * *

Accidental deaths.—The accompanying table shews the number of accidental deaths in this division during the year under report.

* * * * *

Statement shewing the accidental deaths that occurred in the districts of this division during the year 1869-70.

District.	Drowned.	Burnt.	Killed by lightning.	Bitten by snakes.	Killed by falling down of walls and trees.	Killed by wild beasts.	Killed by the railway train.	Killed by other accidents.	REMARKS.
Beerbhoom ...	72	3	13	55	21	3	...	22	
Burdwan ...	90	3	18	89	60	2	2	...	
Hooghly ...	187	18	5	191	...	11	...	60	
Howrah ...	133	10	...	213	8	2	5	19	
Midnapore ...	428	9	26	492	...	46	...	71	
Total ...	910	43	62	1,040	89	64	7	172	

BURDWAN COMM. 'S OFFICE,
July 1870.

C. T. BUCKLAND,
Commissioner.

Meteorological Telegraphic Report for the period 24th to 30th July 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Weather initials.	CLOUDS.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July				Θ	• Θ				Inches.		
	24th	10	29.541	29.559	83.0	81.0	91	S by W	...	0.60	...	S
	16		29.461	29.479	85.5	81.2	81	S W	...	0.04	...	S, K
	25th	10	29.542	29.560	80.5	79.5	95	S by W	...	...	o, d	S
	16		29.441	29.459	83.5	80.4	87	S S W	...	0.18	...	S
	26th	10	29.498	29.516	83.0	80.5	89	S W	...	0.32	...	S
	16		29.404	29.422	84.5	81.2	85	S	...	...	...	S, N
	27th	10	29.484	29.502	80.5	79.2	93	Calm	...	1.04	o	...
	16		29.403	29.421	81.0	79.5	93	Calm	...	0.27	o	...
	28th	10	29.607	29.525	83.5	81.6	93	S by W	...	2.36	...	C, K
	16		29.421	29.439	89.5	83.2	74	S	...	...	...	K
	29th	10	29.491	29.509	86.0	82.0	83	S by W	...	...	...	K, C
SAGOR ISLAND.	16		29.391	29.409	83.5	79.5	83	S by W	...	...	o, d	...
	30th	10	29.448	29.466	86.6	82.6	83	S S E	...	...	...	K, C
	16		29.355	29.373	82.2	80.3	93	S E	...	0.89	...	S
	24th	10	29.552	29.558	84	82	91	N W	1	0.20	d, o	N
	16		29.467	29.473	82	81	95	W	3	2.10	d, o, u	N
	25th	10	29.545	29.551	82	80	91	W N W	2	0.10	o, r	N
	16		29.451	29.457	85	82	87	W	1	0.10	o, v	N
	26th	10	29.492	29.498	86	83	87	W N W	...	...	o	N
	16		29.431	29.437	85	81	83	W S W	1	...	o, u	N
	27th	10	29.483	29.489	82	81	95	N N W	1	0.20	o	N
	16		29.532	29.538	84	82	91	N W	1	0.20	b, v	N
	28th	10	29.420	29.426	84	81	87	S W	1	0.30	o, v, u	N
CHITTAGONG.	16		29.440	29.446	87	81	76	W S W	1	...	b	N
	29th	10	29.500	29.506	87	84	87	W	1	...	b	N
	16		29.416	29.422	84	81	87	W S W	1	0.10	d, o	N
	30th	10	29.411	29.417	87	85	91	N	1	0.50	b, v, u	N
	16		29.362	29.368	87	83	83	S S W	2	...	b, u	N
	24th	10	29.558	29.564	86	80	75	S E	9.4*	0.10	b, v	K, CK, KS
	16		29.465	29.471	82	79	87	S E	14.4*	0.16	p, d, g	N
	25th	10	29.470	29.476	83	80	91	S E	9.4*	1.10	r, g	N
	16		29.425	29.431	85	80	79	S E	10.9*	0.20	p, g	N, KS
	26th	10	29.395	29.401	87	80	72	S S E	7.8*	0.20	b, v	K
	16		29.345	29.351	84	79	79	S W	12.0*	0.10	p, g	N, KS
	27th	10	29.487	29.493	86	80	75	E	8.5*	0.20	b, v	K, KS
MADRAS.	16		29.413	29.419	85	80	79	E S E	16.5*	0.10	b, v	K
	28th	10	29.510	29.516	81	78	86	E	8.4*	0.10	b, v	K, C, KS
	16		29.300	29.306	88	82	78	S W	12.1*	...	b	K, CK, CS
	29th	10	29.448	29.454	85	80	79	E S E	7.4*	0.60	b, v	K, KS
	16		29.393	29.399	88	81	72	S W	13.0*	...	u	CK, CS
	30th	10	29.398	29.404	84	79	79	E	6.5*	0.10	b, v	CS, KS
	16		29.318	29.324	88	83	80	S W	7.9*	...	b	CK, CS
	23rd	10	29.834	29.840	87	79	68	S W	3*	0.11	b, c	...
	16		29.716	29.722	86	78	68	S	7*	...	b, c	...
	24th	10	29.837	29.843	85	75	60	W	7*	0.05	b, c	...
	16		29.697	29.703	84	76	67	S	8*	...	b, c	...
	25th	10	29.790	29.796	87	77	61	S W	11*	0.31	b, c	...
CUTTACK.	16		29.675	29.681	86	78	68	S by E	11*	...	b, c	...
	26th	10	29.766	29.772	87	75	55	W	13*	...	u	...
	16		29.638	29.644	94	76	46	S W by S	11*	...	b, c	...
	27th	10	29.768	29.774	85	77	68	S W by W	7*	1.59	o	...
	16		29.635	29.641	86	76	61	S W	8*	...	o	...
	28th	10	29.777	29.783	82	73	63	S W by W	10*	0.22	o	...
	16		29.664	29.670	86	75	57	S W	8*	...	o	...
	29th	10	29.736	29.742	85	77	68	W S W	13*	0.01	b, c	...
	16		29.624	29.630	92	76	45	S by W	6*	...	b, c	...
	23rd	10	29.575	29.581	85	81	83	W	9.3*	...	o, u	KS, N
	16		29.507	29.513	88	81	72	S W	14.6*	...	o, u	KS, N
	24th	10	29.585	29.591	84	79	79	S W	10.5*	...	o, u	KS, N
AYR.	16		29.503	29.509	85	80	70	S W	8.0*	...	d, o, u	KS, N
	26th	10	29.543	29.549	86	79	72	W	10.6*	...	e, u	KS, N
	16		29.463	29.469	85	80	79	W	10.8*	0.10	r, d, o, u	KS, N
	26th	10	29.505	29.511	86	80	75	W by S	12.2*	...	u	C, CS
	16		29.425	29.431	85	80	83	S W	11.7*	...	o, u	KS, N
	27th	10	29.415	29.421	85	80	79	W	10.9*	...	o, u	N
	16		29.340	29.346	87	82	79	S	7.9*	...	u	N
	28th	10	29.473	29.479	87	81	76	S W	7.7*	0.10	u	C, KS
	16		29.483	29.489	85	81	83	S W	7.8*	...	o, u, t	KS, CK, N
	29th	10	29.480	29.486	86	80	75	W	15.5*	...	o, u	KS
	16		29.377	29.383	87	81	76	W	12.5*	...	u	N, K
	24th	10	29.749	29.755	81	78	86	S	1	1.20	d	K, KS, N
	16		29.665	29.671	79	75	82	S	1	1.00	r	N
AYR.	25th	10	29.732	29.738	80	77	86	S W	1	...	g, d	N
	16		29.676	29.682	79	76	86	S W	1	1.10	r	KS, N
	26th	10	29.606	29.612	79	76	86	S W	1	2.20	d	N
	16		29.528	29.534	85	82	87	S W	1	...	b	C, CS
	27th	10	29.645	29.651	79	76	86	S W	1	0.80	r	N
	16		29.543	29.549	80	77	86	S S E	1	0.20	g	KS, N
	28th	10	29.633	29.639	80	76	82	S E	1	1.10	d	N
	16		29.538	29.544	82	79	87	S	1	0.20	b	C, CK
	29th	10	29.623	29.629	80	80	100	S W	1	0.60	d	KS, N
	16		29.516	29.522	83	79	83	S	1	0.10	b	C, CS
	30th	10	29.540	29.546	81	77	82	S E	1	1.10	b	C, CK
	16		29.468	29.474	82	79	87	S	1	...	g	K, N

* Velocity of wind in miles per hour.

CALCUTTA,
The 30th July 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Circuit.	STATIONS.	Rainfall from 11th to 17th July 1870.	Rainfall from 18th to 24th July 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
SOUTH-WESTERN.	Poorce	3.76	Not received	7.39	17th July 1870.	
	False Point	0.60	ditto	11.70	ditto.	
	Cuttack { Telegraph Office	4.30	0.10	17.70	24th July 1870.	
	Cuttack { Jail...	4.68	0.36	18.10	ditto.	
	Sumbulpore	0.58	Not received	21.31	17th July 1870.	
	Balasore	1.84	ditto	19.13	ditto.	
	Bhuddruck	2.17	2.69	11.88	24th July 1870...	From 16th June.
	Khoordah	3.52	Not received	6.69	17th July 1870...	From 27th June.
	Midnapore	Not received	ditto	4.20	5th June 1870.	
	Bancoorah	0.60	ditto	13.99	17th July 1870.	
WESTERN.	Chyebassa	2.55	5.35	24.20	24th July 1870.	
	Parulia	0.45	2.86	26.71	ditto.	
	Gobindpore	Not received	Not received	0.98	5th June 1870...	From 23rd May.
	Palanow	3.72	ditto	12.08	17th July 1870...	From 6th June.
	Burdwan	0.32	2.00	14.76	24th July 1870.	
	Cutwa	0.60	1.65	6.51	ditto	From 4th July.
	Culina	0.49	0.85	2.23	ditto	Ditto.
	Bood-Bood	0.26	1.33	2.61	ditto	Ditto.
	Rancegunge	4.93	3.33	26.48	ditto.	
	Sooree	0.10	1.04	19.93	ditto	Not received 4th to 10th July.
CENTRAL.	Deoghur	3.10	Not received	20.53	17th July 1870.	
	Burhee	6.70	2.67	18.71	24th July 1870...	Not received 3rd to 16th January and 7th February to 6th March.
	Hazareebaugh	0.50	Not received	18.95	17th July 1870.	
	Rancher	1.80	4.26	26.55	24th July 1870.	
	Sasseram	0.75	3.88	22.50	ditto	From 28th March.
	Saugor Island	1.00	6.00	24.30	ditto.	
	Contai	0.40	1.97	11.42	ditto.	
	Calcutta	1.44	2.15	26.67	ditto.	
	Howrah	1.98	2.32	21.50	ditto.	
	Allipore	1.42	2.90	18.73	ditto	From 30th May.
NORTH-WESTERN.	Barrackpore	Not received	Not received	4.16	10th July 1870.	
	Dum Dum	ditto	ditto	8.30	ditto	From 16th May.
	Baraset	ditto	ditto	14.33	ditto	Ditto.
	Satkerah	ditto	ditto	16.92	ditto	Ditto.
	Boserhaut	ditto	ditto	10.24	ditto	Ditto.
	Diamond Harbour	ditto	ditto	13.96	ditto	Ditto.
	Barripore	ditto	ditto	18.23	ditto	Ditto.
	Hooghly	1.06	1.18	23.99	24th July 1870.	
	Jessore	1.48	1.68	31.49	ditto.	
	Kishnaghar	Not received	0.52	14.15	ditto	From 17th January and not received 4th to 10th April, and 4th to 17th July.
NORTHERN.	Ranaghat	0.30	1.12	17.59	17th July 1870...	From 7th February and not received 4th to 10th April.
	Bougong	1.92	2.19	18.62	ditto	From 10th January and not received 4th to 10th April.
	Meharpore	0.40	Not received	18.10	24th July 1870...	From 7th February and not received 4th to 10th April.
	Chodangah	Nil	1.40	19.82	24th July 1870...	From 7th February and not received 4th to 10th April.
	Kooshatesh	0.79	1.00	25.17	ditto.	
	Berhampore	0.86	1.53	25.54	ditto.	
	Furreedpore	1.17	Not received	31.82	17th July 1870.	From 9th July.
	Dowlat Khan	0.77	ditto	1.16	ditto	
	Purrisaul	0.74	3.05	35.88	24th July 1870.	
	Perozepore	1.01	1.96	2.97	ditto	From 11th July.
NORTHERN.	Madaripore	1.02	0.85	1.87	ditto	Ditto.
	Bhaugulpore	1.50	3.07	17.13	ditto.	
	Mudheypoorah	4.03	1.49	18.78	ditto	From 2nd May.
	Banka	1.45	2.31	16.35	ditto	From 26th April and not received 20th to 26th June.
	Monghyr	1.60	1.18	12.52	ditto.	
	Jamooie	3.50	0.88	18.52	ditto	From 26th April.
	Begooosari	1.25	2.16	13.91	ditto.	
	Gya	Nil	Not received	9.30	17th July 1870.	
	Sherghotty	0.52	4.20	13.95	24th July 1870...	From 13th June.
	Nowadali	0.56	0.76	11.56	ditto	From 20th June.
NORTHERN.	Bebar	0.50	Not received	12.96	17th July 1870...	From 21st March.
	Patna	1.10	ditto	8.88	ditto.	
	Arungabad	1.45	7.39	8.84	24th July 1870.	From 11th July.
	Bhubhooh	1.86	2.80	19.06	ditto	From 26th April.
	Barh	0.77	Not received	5.90	17th July 1870...	From 16th May and not received 4th to 10th July.
	Arrah	0.73	1.38	13.94	24th July 1870.	
	Buxar	0.27	5.20	18.70	ditto.	
	Chuprah	1.58	1.52	17.81	ditto.	
	Sewan	1.63	Not received	23.16	17th July 1870...	From 2nd May.
	Chumparun	Not received	ditto	25.90	10th July 1870.	
NORTHERN.	Benares	3.05	ditto	12.91	17th July 1870.	
	Mozufferpore	8.50	ditto	29.60	ditto	From 1st March.
	Dinapore	0.43	1.57	11.46	24th July 1870...	From 14th March.
	Rampore Beaulah	0.15	2.16	16.08	ditto.	
	Natore	0.45	Not received	13.76	17th July 1870...	From 2nd May and not received 20th to 26th June.
	Pubna	1.10	0.82	26.01	24th July 1870	
	Coomercolly	3.08	Not received	20.38	17th July 1870...	From 2nd May.
	Serajgunge	0.89	0.81	17.63	24th July 1870...	From 16th May.
	Maldah	2.81	1.48	19.22	ditto	Not received 4th to 10th July.
	Bogra	1.57	Not received	32.18	17th July 1870.	

CIRCUIT.	STATIONS.	Rainfall from 11th to 17th July 1870.	Rainfall from 18th to 24th July 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
NORTHERN—(Contd.)	Dinagapore	Inch. 3.74	Inch. Not received	Inch. 43.42	ditto ...	Not received 27th June to 3rd July.
	Rungpore	12.22	0.89	77.53	24th July 1870.	
	Palacottah	17.77	Not received	29.37	17th July 1870 ...	From 4th July.
	Boda	12.05	5.39	40.33	24th July 1870 ...	From 27th June.
	Titalya	8.56	11.26	49.79	ditto ...	Ditto ditto.
	Buza	Not received	Not received	100.10	30th June 1870 ...	Not received 1st to 31st May.
	Rungbea	ditto	ditto	23.25	31st May 1870.	
	Darjeeling { Telegraph Office	ditto	ditto	50.60	30th June 1870.	
	{ Jail	3.36	ditto	56.27	17th July 1870.	
	Gowalparah	3.26	ditto	85.91	ditto.	
NORTH-EASTERN.	Dhobree	3.98	1.13	61.33	24th July 1870 ...	From 30th May.
	Gowinatty	0.83	Not received	36.71	17th July 1870.	
	Toora (Garo Hills)	8.26	ditto	50.97	ditto ...	From 13th June.
	Shillong	2.23	ditto	33.16	ditto.	
	Jowai	5.03	ditto	41.82	ditto ...	From 21st June.
	Nunklow	Not received	ditto	11.60	31st May 1870.	
	Noxgong	6.44	ditto	48.20	17th July 1870 ...	Not received 2nd to 8th May.
	Tezporo	Not received	ditto	48.63	10th July 1870 ...	Not received 30th to 5th June.
	Dholebagann	1.93	ditto	42.22	17th July 1870.	
	Burpettah	Not received	ditto	6.60	10th July 1870 ...	From 4th July.
EASTERN.	Seesaugor	1.43	ditto	47.11	17th July 1870.	
	Delhrooghur	6.08	ditto	87.49	ditto ...	From 10th January.
	Suddya	Not received	ditto	31.63	10th July 1870 ...	From 20th June.
	Sanoogoodting	ditto	ditto	19.75	ditto ...	From 3rd January.
	Dacca { Telegraph Office	ditto	ditto	11.95	31st May 1870.	
	{ Jail	Nil.	ditto	18.75	17th July 1870 ...	Not received 4th to 10th July.
	Mymensing	0.44	ditto	35.46	ditto	
	Jamulpore	1.03	1.50	19.16	24th July 1870 ...	From 20th June.
	Attah	0.08	Not received	0.08	17th July 1870 ...	From 11th July.
	Kishorgunge	1.26	ditto	1.53	ditto ...	From 1st July and not received 4th to 10th July.
SOUTH-EASTERN.	Sylhet	2.73	ditto	73.98	ditto.	
	Cachar	4.49	ditto	53.60	ditto.	
	Aenakhall Hylakandy	1.73	ditto	46.91	ditto.	
	Tipperah	0.39	ditto	35.52	ditto.	
	Brahmanbariah	0.77	ditto	0.77	ditto.	From 11th July.
	Noakhally	1.07	ditto	31.52	ditto.	
	Chittagong { Telegraph Office	0.10	0.10	35.11	24th July 1870.	
	{ Jail	0.23	Not received	29.33	17th July 1870.	
	Rangamata Hill	Not received	ditto	34.50	3rd July 1870.	
	Akyab	2.30	15.50	84.10	24th July 1870.	

CALCUTTA,
The 30th July 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of Bengal.

Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 1st TO 15th MAY 1870.

N. B.—The Barometric data are reduced for temperature, and not for height above sea level.

STATIONS.	Height above sea level.	BAROMETER.				THERMOMETER.										HUMIDITY.				RAINFALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		MEAN OF				Range.	SOLAR RADIATION.			Mean of max.	Mean daily range.	Mean of min.	Mean.	MEAN OF				Lowest Min.	Absolute range.		Day.	Day.	No. of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		4 hours.	10 hours.	16 hours.	22 hours.		Max.	Min.						4 hours.	10 hours.	16 hours.	22 hours.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Port Blair	218	29.516	29.562	29.458	...	104	1.59.6	1.2nd	168.0	8.1	104.0	68.5	13.2	75.3	...	84.4	84.4	84.4	84.4	91.0	17.0	13th	74.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</

* No correction for index error has been applied to the Deane's barometric readings.

CALCUTTA,

The 30th July 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Mean Pressures and Temperatures of the preceding Table reduced to sea level, with mean Wind directions.

STATIONS.	Mean Barometric pressure reduced to sea level.	Mean Temperature reduced to sea level.	Proportional prevalence Max = 100.	Mean direction.
Port Blair	29.733	80.4	95	S 41° W
Madras	29.668	...	30	S 1° E
Akyab	29.713	...	64	N 44° W
False Point	29.684	87.2	98	S 43° W
Cuttack	29.641	92.1	82	S 6° E
Saugor Island	29.628	87.5	93	S 41° W
Chittagong	29.732	86.4	60	S 16° W
Calcutta	29.693	89.7	96	S 8° W
Jessore	29.582	89.6	78	S 11° E
Dacca	29.619	86.6	93	S 10° E
Cachar	29.641	84.1	33	N 22° W
Hazarcebaugh	29.550	96.2	67	N 57° W
Berhampore	29.552	94.9	58	S 31° W
Patna	29.518	12.4	32	S 68° W
Monghyr	29.535	92.2	18	N 26° E
Darjeeling	29.656	81.6	28	S 56° E
Gowalparah	29.616	82.5	58	S 88° E
Shillong	29.589	84.2	44	S 56° W
Benares	29.612	92.5	43	N 61° W

NOTE.

Barometric Pressure.—The pressures in column 2 of the above Table for all stations below 500 feet are reduced from those given in column 3 of the Table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's Tables as given in Guyot's "Meteorological and Physical Tables."

Temperature.—The temperatures in column 3 are reduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

Wind Direction.—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half-month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half-month which shall shew the isobaric and isothermal lines, and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous Tables.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 22nd to 31st July 1870.

Month.	Date.	Mean reduced Barometer.	THERMOMETER.		Max. Solar radiation.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean degree of humidity.	WIND.			Rain.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			lb.	Miles.	Inches	
July	22nd	29.513	90.1	79.9	129.5	82.5	80.1	78.4	0.88	S by E & SS E	...	115.0	1.22	Cirri, cumuli, overcast & strati. Thunder at 2½ & 3 p.m. Rain between 8½ & 9½ A.M. & from 2½ to 6 p.m.
	23rd	542	89.5	79.0	130.0	83.1	80.7	79.0	.88	SSE & SSW	...	129.7	0.78	Overcast, cumuli & strati. Thunder at 3 p.m. Rain between 1½ & 3 A.M. At 3, 4 & 11 p.m.
	24th	520	86.0	80.3	120.5	82.3	80.4	79.1	.90	SSW & S by W	...	79.0	0.04	Strati. & clouds of different kinds. Slight rain at 11 & 12 A.M. & 8½ p.m.
	25th	488	84.0	80.0	...	81.2	79.6	78.5	.92	S by W & S SW	...	126.2	0.18	Strati. & overcast. Slight rain from 7½ to 11 A.M.
	26th	459	86.2	78.8	112.0	82.0	80.0	78.6	.90	WSW, SW & S	...	76.2	0.28	Overcast & strati. Rain at 3 & 4 A.M. & 6 p.m.
	27th	446	85.5	78.7	119.0	80.7	79.4	79.5	.93	S	...	66.2	1.25	Chiefly overcast. Thunder at 2½ & 3 p.m. Rain from 1 to 6, 8 & 9 A.M. & at 12, 4 & 5 p.m.
	28th	477	89.5	78.6	129.5	83.3	80.7	78.9	.87	SSW, S & S by W	...	131.9	2.36	Overcast & cumuli. Rain 1 to 5 A.M.
	29th	461	89.5	81.0	131.2	84.0	81.0	78.9	.85	S by W & S SW	...	41.5	...	Cirri, cumuli & strati. Drizzled at 4 p.m.
	30th	414	90.5	81.0	121.0	83.5	81.2	79.6	.88	SSE & SE	3.8	116.0	1.02	Clear, strati. & cumuli. Brisk wind at 2½ p.m. Thunder at 3 & 4 p.m. Rain at 3, 8 & 9 p.m.
	31st	382	83.9	78.5	...	80.9	79.5	79.5	.93	ENE, NE & SSW	...	166.6	1.25	Chiefly overcast. Rain at 3 & 5, from 8½ to 11½ A.M. & from 4 to 9 p.m.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the Anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past ten days	...	12.0
The max. temperature during the past ten days	...	90.5
The max. temperature during the corresponding period of the past year	...	92.7
The mean humidity during the past ten days	..	0.89
The mean humidity during the corresponding period of the past year	..	0.82
		Inches.
The total fall of rain from 22nd to 31st	.. { by lower rain gauge	8.48
	.. { by Anemometer gauge	7.87
Ditto ditto, average of sixteen previous years	..	4.61
Ditto between the 1st January and the 31st ultimo	..	32.74
Ditto ditto ditto, average of 16 years...	..	37.40

GOPEENATH SEN,
In charge of the Observatory.

The 1st August 1870.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for week ended 9th July 1870 on 1,131½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.				
		Rs. As. P.	£ s. d.		Mds. Srs.	Rs. As. P.	£ s. d.		
Total Traffic for the week ...	1,01,160	1,20,290 7 0	11,927 9 11	6,25,223 10	53,70,597 7 0	33,908 15 0	45,025 3 11		
Or per mile of Railway	89	106 5 1	9 14 11	5 14 11	47 19 8	30 0 11	39 15 10		
For previous 2 days of half year	27,116	35,201 2 6	3,215 0 6	2,61,795 24	1,27,029 8 7	11,090 7 5	14,931 7 11		
Total for 9 days	1,28,277	1,55,590 9 6	14,262 9 5	8,32,616 34	4,98,521 15 7	45,028 2 5	59,930 11 10		
COMPARISON.									
Total for corresponding week of previous year	99,429	1,25,457 9 6	9,636 18 10	4,51,229 0	2,32,028 10 0	21,320 11 2	30,997 13 0		
Per mile of Railway corresponding week of previous year	87	93 3 11	8 10 11	.....	205 11 11	18 17 3	27 8 2		
Total to corresponding date of previous year	1,12,961	1,65,719 1 2	15,190 18 3	6,82,379 37	3,65,569 4 4	33,519 13 8	48,710 11 11		

* Rs. 7,352-7-6 added on account of freight of locomotive coal carried on Jubbulpore line.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for week ended 9th July 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	4,910	10,319 10 6	947 17 11	25,645 10	7,773 11 3	710 15 1	1,658 13 0
Or per mile of Railway ...	22	46 5 11	4 5 0	115 0 2	34 12 4	3 3 9	7 8 9
For previous 2 days of half-year ...	978	2,643 5 8	238 12 9	6,176 30	2,098 3 6	184 1 9	422 14 6
Total for 9 days ...	4,978	12,914 0 2	1,186 10 8	31,812 0	9,761 11 9	894 16 10	2,081 7 6
COMPARISON.							
Total for corresponding week of previous year ...	2,841	6,610 10 1	605 19 6	25,474 0	6,218 8 3	572 15 7	1,178 15 1
Per mile of Railway corresponding week of previous year ...	13	29 10 4	2 14 4	115 0 2	28 0 4	2 11 5	5 6 9
Total to corresponding date of previous year ...	4,464	10,388 2 2	952 4 11	40,030 20	9,819 1 7	900 1 8	1,852 6 7

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 9th July 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	26,367	13,393 9 9	1,219 9 11	1,12,529 15	20,952 9 3	1,950 13 1	3,140 3 0
Or per mile of Railway ...	233	117 7 6	10 15 4	994 0	185 0 2	16 19 2	27 14 6
For previous first 2 days of July of half-year ...	8,128	4,514 7 6	415 16 6	11,664 20	6,957 3 7½	555 4 11	961 1 5
Total for 2 weeks ...	34,495	17,918 1 3	1,633 6 5	1,24,193 35	27,909 12 19½	2,505 18 0	4,109 4 5
COMPARISON.							
Total for corresponding week of previous year ...	25,986	13,702 12 11	1,261 11 8	90,124 12½	17,471 10 10	1,601 11 5	2,863 1 1
Per mile of Railway corresponding week of previous year ...	229	121 8 5	11 2 10	796 0	154 4 5	14 2 10	25 10 8
Total to corresponding date of previous year ...	38,515	20,609 14 6	1,897 9 9	1,12,451 15½	25,920 2 3	2,376 16 9	4,274 6 6

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 9th July 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	5,692½	1,078 9 9	107 17 3	10,216 32	324 7 0	32 8 11	140 6 2
Or per mile of Railway ...	203	38 8 4	3 17 1	365 0	11 9 5	1 3 2	5 0 3
For previous 14 weeks of half-year ...	82,051	13,951 11 0	1,385 3 5	1,52,510 12	5,123 1 0	542 6 1	1,927 9 6
Total for 15 weeks ...	87,743½	14,930 4 9	1,493 0 8	1,62,757 4	5,747 8 0	574 15 0	2,067 15 8
COMPARISON.							
Total for corresponding week of previous year ...	4,727½	911 5 0½	83 10 9	10,124 8	357 11 6	32 15 10	116 6 7
Per mile of Railway corresponding week of previous year ...	169	32 8 9	2 19 8	362 0	12 12 5	1 3 5	4 3 1
Total to corresponding date of previous year ...	74,462½	14,213 3 5½	1,302 17 6	1,83,148 31	12,873 15 9	1,180 2 3	2,492 19 9

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 16th July 1870 on 1,131½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.			Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.			Rs. As. P.	£ s. d.	£ s. d.	
Total Traffic for the week	91,259	1,18,917 4 7	10,999 15 0	5,09,939 0	3,23,934 11 9	29,359 17 5	40,860 12 5		
Or per mile of Railway		105 1 7	9 12 8		288 13 7	26 9 7	36 2 3		
For previous 1 week of half-year	1,99,277	1,55,389 9 6	14,262 9 5	8,37,316 39	4,95,521 15 3	45,098 2 5	59,009 11 10		
Total for 2 weeks	2,10,536	2,74,507 14 1	25,163 4 5	13,11,655 39	8,25,359 14 0	75,057 19 10	1,00,821 4 3		
COMPARISON.									
Total for corresponding week of previous year	91,879	1,12,787 9 6	10,392 3 11	4,79,541 10	2,87,584 7 8	26,361 18 2	36,064 1 1		
Per mile of Railway corresponding week of previous year		99 5 11	9 2 2		254 4 5	23 6 2	32 8 4		
Total to corresponding date of previous year	2,34,092	2,78,106 10 8	25,136 2 2	11,51,901 0	6,73,233 12 0	59,881 11 10	85,374 14 0		

EASTERN BENGAL RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 16th July 1870 on 223 miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week	4,323	19,123 11 9	928 5 8	11,587 0	4,017 6 9	368 5 4
Or per mile of Railway	19 4 7	85 6 7	4 1 3	51 8 3	18 6 3	1 13 0
For previous 1 week of half-year	4,978	12,944 0 2	1,386 10 8	31,812 0	9,761 14 9	894 16 10
Total for 2 weeks	9,301	23,067 11 11	2,314 16 1	46,429 0	13,779 5 6	1,263 2 2
COMPARISON.						
Total for corresponding week of previous year	2,872	6,686 1 2	612 17 10	34,301 29	7,544 12 7	691 12 1
Per mile of Railway corresponding week of previous year	12 15 9	29 15 9	2 15 0	153 13 4	33 13 4	3 2 0
Total to corresponding date of previous year	7,325	17,074 3 4	1,565 2 6	71,332 0	17,263 14 2	1,591 13 9

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 16th July 1870 on 113½ miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week	23,067	12,167 3 6	1,115 6 7	86,275 8	13,079 9 9	1,198 19 3
Or per mile of Railway	203 17 0	107 7 0	9 17 0	762 0	115 7 11	10 11 9
For previous 2 weeks of half-year	31,000	17,818 1 3	1,633 6 5	1,24,133 35	27,069 12 10	2,475 18 0
Total for 3 weeks	54,067	29,985 4 9	2,748 13 0	2,10,408 3	40,089 6 7	3,674 17 3
COMPARISON.						
Total for corresponding week of previous year	22,987	12,046 15 4	1,186 16 1	98,005 10	13,821 7 9	1,725 6 1
Per mile of Railway corresponding week of previous year	202 11 2	114 5 2	10 9 7	865 0	106 3 1	15 4 8
Total to corresponding date of previous year	61,902	33,613 13 10	3,684 5 19	2,40,456 26	41,750 10 0	4,192 2 10

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 16th July 1870 on 28 miles open.

	Rs. As. P.	£ s. d.	Mds. S.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week	4,914	858 9 9	85 17 2	9,283 10	307 0 0	30 14 1
Or per mile of Railway	175 30 10 8	30 10 8	3 1 1	332 0	10 15 5	1 11 3
For previous 15 weeks of half-year	87,743	14,930 4 9	1,493 0 8	1,02,757 4	5,747 8 0	574 13 0
Total for 16 weeks	92,657	15,788 14 6	1,578 17 10	1,12,040 14	6,054 8 6	605 9 1
COMPARISON.						
Total for corresponding week of previous year	4,219	815 3 6	74 14 7	6,729 30	206 11 0	18 18 11
Per mile of Railway corresponding week of previous year	151	29 1 10	2 13 5	205 0	7 6 4	0 13 6
Total to corresponding date of previous year	78,081	15,028 7 0	1,377 12 1	1,88,878 21	13,080 10 9	1,199 1 2



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 10, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Cultivation of Tea and Cinchona in the Cooch Behar Division.

From COLONEL J. C. HAUGHTON, C.S.I., Commissioner of the Cooch Behar Division, to the Secretary to the Government of Bengal,—(No. 1996, dated Julpigoree, the 14th July 1870.)

I HAVE the honor to submit a report on the cultivation of tea in this division during the past year.

2. Darjeeling and Goalpara districts are the only ones in this division in which tea is cultivated. In the latter the trivial cultivation existing is stagnant, and consists of a few small plots in the hands of natives. I have received up to date no return of it, and do not think it desirable to keep back the really important account of the tea cultivation in Darjeeling for so unimportant a document.

3. From the tabular statement annexed it will be seen that there are in Darjeeling 55 tea estates in the hands of companies, associations, and of individuals, the whole of which have originated in the last ten years.

4. There were at the close of last year 10,769 acres of land planted with tea, being an increase of 515 acres over the previous year.

5. The out-turn was one million three hundred and nineteen thousand seven hundred and forty-three pounds of tea, being an increase of four hundred and eighty-two thousand two hundred and forty-two pounds over last year.

6. Rejecting the land brought under cultivation during the year, which cannot possibly have produced tea, the average produce per acre appears to have been 128 lbs.; but it was in reality larger, as the new cultivation of the two previous years, the extent of which I have no present means of ascertaining, should be rejected. Favored portions of estates are said to have produced as much as 400 lbs. per acre, altogether the season has been an eminently prosperous one.

7. The extended cultivation of the year is chiefly in the track between the foot of the hills and the Mahanuddy, known as the Terai, which has been found to produce tea, commanding a good price in the London market. As tea can be cultivated and exported at a considerably less cost in the Terai than in the hills, the heavy expense of the carriage of tea lead and the apparatus up the hills, and the tea down again on the backs of porters, being avoided, it is probable that tea culture in the Terai will be greatly extended. The climate of this region is now no longer regarded as deadly, and it is probable that it has been improved by the extensive clearing which has taken place.

8. The cultivation of tea employed the services of 31 European and 146 native supervisors, and 7,445 men, women, and children, of whom only 143 were imported in the district.

9. The success of the year, the greater pains taken in cultivation, and the greater attention and economy now practised, can scarcely fail gradually to renew the confidence of the public in these speculations, and I think all persons who have now an interest in the estates are to be congratulated on their improved prospects.

10. As the subject cannot fail to interest the Government, I have the honor also to report upon cinchona cultivation.

11. A few cinchona trees, chiefly *succirubra*, have been planted on several tea estates; but there are only two upon which cinchona is systematically cultivated. The Tukvar company has 35 acres under cultivation, and 40 more cleared for planting this season. As yet the company have no returns. Messrs. Lloyd and Angus have 1,100 acres planted adjoining the Government cinchona garden, although this plantation was only commenced in 1862, the association has been enabled to produce 5,600 lbs. of bark this year, which is probably by this time in the London market. Cinchona cultivation employs two European and one native supervisor, and 225 laborers, men, women, and children, all of the district. The result of this experiment is watched with much interest.

Return of tea operations for the year 1869-70.

			Darjeeling.	Goalparah.
Number of gardens of which the estate consists	...	...	55	3
Number of European assistants employed	...	...	31	0
Number of native officials above the rank of dufadars employed	...	...	146	3
Extent of land	{ Held in grant under old rules	...	32,239	0
	{ Held in fee simple under new rules	...	10,549	0
	{ Held under cultivation leases or rent paying pottah	...	9,219	250*
Total			52,007	350
Area under cultivation at the close of 1868-69			10,253½	325
Brought under cultivation in 1869-70 (year of report)			515½	0
Total area under cultivation at the close of 1869-70			10,769	325
Out-turn of tea in lbs. in season 1868-69			8,49,840	2,050
Out-turn of tea in lbs. in season 1869-70 (year of report)			13,19,743	2,470
Increase			4,82,242	420
Decrease			12,339	0
Average monthly No. of imported laborers employed during the year.	{ Men	...	382	0
	{ Women	...	43	0
	{ Children	...	8	0
Total			433	0
Average monthly No. of local laborers employed during the year.	{ Men	...	3,506	32
	{ Women	...	2,646	0
	{ Children	...	860	3
Total			7,012	35

* Cultivation leases.

† Zemindaree land.

J. C. HAUGHTON,
Commissioner.

Return of Cinchona cultivation in the Darjeeling District for the year 1869

			* Tukvar Company, Limited.	† W. Lloyd and J. A. Angus, Esqrs.
Number of gardens	...	...	1	1
When commenced planting	...	...	1866	1862
Number of assistants employed	{ European	...	1	1
	{ Natives	...	1	0
Acres of land	{ Taken up for cultivation	...	75 ‡	6,000 §
	{ Actually cultivated	...	35	1,100
Produce of 1869	...	...	0	70 mds. bark
Average monthly No. of local laborers employed.	{ Men	...	20	100
	{ Women	...	5	70
	{ Children	...	0	30

* Land taken from Tukvar tea estate 40 acres cleared, to be planted this season.

† Mr. Lloyd, Honorary Secretary.

‡ Freehold after August 1870.

§ Freehold under waste land rules.

J. C. HAUGHTON,
Commissioner.

Annual Report of the Gowhatty Municipality for 1869-70.

Memorandum from COLONEL W. AGNEW, Officiating Commissioner of Assam,—(No. 1658B, dated Gowhatty, the 6th July 1870.)

Copy forwarded to the Secretary to the Government of Bengal, General Department.

From MAJOR THOMAS LAMB, Deputy Commissioner and Chairman of Gowhatty Municipality, to the Personal Assistant to the Commissioner of Assam,—(No. 25, dated Gowhatty, the 23rd May 1870.)

I HAVE the honor to submit, on behalf of the Municipal Commissioners for the town of Gowhatty, the Annual Administration Report of the Gowhatty Municipality for the past official year 1869-70.

2. At the commencement of the year the municipality numbered thirteen Commissioners, viz:—

Colonel W. Agnew, Commissioner.	... <i>Ex-officio.</i>
Major J. F. Sherer, Deputy Commissioner,	... ditto.
„ F. T. Pollock, Executive Engineer,	... ditto.
Captain M. O. Boyd, Assistant Commissioner,	... <i>Vice-Chairman.</i>
Mr. J. Masters, Officiating District Superintendent,	... ditto.
Dr. H. B. Purves, Civil Surgeon,	... ditto.
Colonel R. Campbell,	... Member.
Baboo Boloram Phookan,	... ditto.
„ Gurgoram Boruah,	... ditto.
Syed Shekhaet Hossein,	... ditto.
Baboo Gopal Chunder Banerjee,	... ditto.
„ Shreemanto Sein, Vakeel,	... ditto.
„ Jusmonto Dey, Vakeel,	... ditto.

3. Among these the following changes occurred during the year:—

Major J. F. Sherer, Deputy Commissioner and Chairman, was succeeded by Mr. P. T. Carnegie on the 5th May, who in turn was succeeded by Major A. K. Comber on the 5th June.

4. Mr. R. Lea, Extra Assistant Commissioner, was appointed Municipal Commissioner during the year.

5. At the close of the year the Commissioners numbered 13 members, of whom 8 were Europeans and 5 Natives.

6. The following subjects were referred in the course of the year to the committee. At the last meeting of the previous year, it was resolved that the Chairman enter into a contract with Brojonath to have all jungle throughout the whole town, as defined in the map, cut, cleared, and removed during the year under report for a sum of Rs. 3,172, as the same kind of work under the old system had cost the Municipality about Rs. 2,500 for the year 1868-69, and been done in a very poor, incomplete, and indifferent manner.

Conserrancy.—Another contract was given to the same person to keep in good and decent repair, all the year round, all the unmetalled roads lying within the boundaries of the town, as well as to keep open and clear all the drains, gullies, and bridges, within the same precincts for a sum of Rs. 4,344 for the year under report.

The above two contracts were duly entered into, but the latter was cancelled in July, owing to the contractor having failed to fulfil its terms.

Finance.—The usual monthly accounts were checked and passed, with the exception of those for the months of February and March. For want of funds the accounts of these two months were not settled after the close of the year under report.

Legal.—Nil.

Special 1.—The consideration of Colonel Campbell's application, wishing to know if there was any objection to having a bazar shed on Mr. Beeher's land near the rum distillery.

2. The consideration of a letter from Secretary to the Commissioner in the Public Works Department, relative to a quantity of road metalling to be disposed of and offered to the municipality.

3. The consideration of a letter from the District Superintendent of Police, on the subject of organizing a reward fund for the municipal police.

4. The consideration of Government letter No. 4449 of the 10th July 1869, relative to convict labor.

7. Ten ordinary general meetings of the Commissioners were held during the year. The following statement will show the attendance at meetings. The average attendance of each being 7.

On only one occasion was the number of Commissioners too small to form a quorum.

8. The meetings were called on the following dates during the past year :—

24th April 1869.	15th November 1869.
21st June „	22nd „ „
19th July „	20th December „
6th September 1869.	7th February 1870.
4th October „	14th „ „

9. The income of the past year was derived from the following sources :—

1. Balance of last year, 1868-69.
2. House collections.
3. Fines.
4. Ferries.
5. Miscellaneous.

It amounted to Rs. 28,217-0-2, or about Rs. 2,187-9-7 less than the estimate.

10. The following tabular statement shows the actual income under each head, as compared with the estimate :—

Details.	Budget estimate.	Actual receipts.	Excess.	Deficit.
Balance of 1868-69	6,624 9 9	6,624 9 9	.....	.....
House rate collections	4,500 0 0	4,144 15 6	.....	355 0 6
Fines	150 0 0	225 3 2	75 3 2	.....
Ferries	7,013 0 0	5,940 0 0	.....	1,103 0 0
Miscellaneous	12,117 0 0	11,312 3 9	.....	804 12 3
Total	30,434 9 9	28,217 0 2	75 3 2	2,262 12 9

11. The accompanying table gives the state of the house rate collection at the close of the past year :—

Details.	Due.	Collected during the year.	Remitted during the year.	Uncollected during the year.
Arrears of 1868-69	791 2 0	670 0 0	.....	121 2 0
Ditto 1869-70	1,650 11 0	3,474 15 6	.....	1,176 11 6

The subjoined statement will show the assistance rendered during the year by the municipal police and municipal overseer in reporting breaches of the conservancy laws :—

Department.	Number of persons tried.	Number of persons fined.	Amount of fines imposed.	Amount of fines collected.	Remitted.
Municipal Overseer	15	15	77 10 2	62 10 2	15 0 0
Ditto Police	142	142	.....	147 9 0	.....

The Aushrokan to and Latasheel ferries still continue to be the property of the Commissioners. The subjoined statement will show their joint value to be still increased :—

	Sold by public auction for		
	1867-68.	1868-69.	1869-70.
Aushrokan to Ferry	3,612	3,606	5,940
Latasheel Ferry	801	1,950	1,163

The miscellaneous receipts were derived from the following sources :—

- 1.—Town land revenue collections,
- 2.—Bazar collections,
- 3.—Hire of Municipal bungalow,
- 4.—Hire of bullock carts,
- 5.—Miscellaneous,

and amounted during the year to Rs. 17,252-3-9.

The expenditure which during the year amounted to 27,262-9-1, is thus classified :—

Details.	Budget estimate.	Actual expenditure.	Excess.	Saving.
Expenses of collections	420 0 0	308 0 0	.....	112 0 0
General charges including office establishment	1,200 0 0	603 0 0	.....	597 0 0
Road Department	12,222 9 9	9,314 3 8	.....	2,908 6 1
Conservancy	5,640 0 0	5,258 3 11	.....	341 12 1
Police	4,552 0 0	2,749 12 11	.....	1,802 3 1
Local Improvement	1,500 0 0	1,919 8 7	419 8 7	.....
Miscellaneous	4,940 0 0	7,019 12 0	2,079 12 0	.....
Total Rs.	30,434 9 9	27,262 9 1	2,490 4 7	6,671 5 3

Collection expenditure.—The expenditure in the collection department was as usual.

General charges.—There appears a considerable saving under this heading, but it was all paid away after the close of the year.

Roads.—The strand road from Latasheel bazar to Shukleshur was thoroughly metalled, and other roads, bridges, and drains were thoroughly repaired and cleared during the year under report.

Conservancy.—The Budget estimate allowed Rs. 5,600 for conservancy purposes, of which Rs. 1,272-0-9 were expended in filling up the trench ditch between the Deeghlee tank and Oogrotara temple; Rs. 2,454-13 were paid to the contractor for cutting, clearing, and removing all the jungle within the limit of the municipal, and the rest on account of conservancy carts; the balance was paid away after the close of the year to meet expenses incurred during the year.

Police.—Owing to two months' cost of police not having been paid during the year under report for want of funds, there appears to be a saving under this heading, but Rs. 1,200 of this was paid after the close of the year.

Local Improvement.—The Budget estimate allowed only Rs. 1,500 for local improvement. This item includes the charges on account of clearing the surfaces of the tanks and repairing the ghâts. The excess expenditure was met out of the savings from other heads.

Miscellaneous.—The removal of the Latasheel bazar from the former site to the present one cost the municipality Rs. 2,847-1-3; Rs. 2,241-9-7 were expended on account of the new municipal bungalow; the repair of the carts and municipal godown, and the making of two leopard traps cost Rs. 305; Rs. 550 were paid as subscription to the dispensary, and the remaining Rs. 1,076-1-2 were paid for repairing cattle pound, killing pariah dogs, purchasing instruments, feeding and keeping the bullocks, and in watering the strand road, &c. The excess expenditure, under this head was met from the general savings.

From MAJOR THOMAS LAMB, Deputy Commissioner and Chairman of Gowhaty Municipality, to the Personal Assistant to the Commissioner of Assam,—(No. 29, dated Gowhaty, the 21st June 1870.)

In reply to your letter No. 1617B of the 15th instant, I have the honor to state, for the Commissioner's information, that there is nothing whatever on record to show that the conduct of the municipal police and employés during the year 1869-70 was anything but satisfactory.

The police appear to have assisted the municipality in cases under clause 7, section 39 of the Police Act only. Their attention has been drawn to other portions of the conservancy laws.

Annual Statement of the Municipal Improvement Fund, under Act III. of 1864, of the Gowhaty Municipality, for the year 1869-70.

DETAIL OF RECEIPTS				Amount.		
				Rs. As. P.		
To balance brought from last year's account	...	...	...	312	0	9
Ditto deposited in the treasury	...	...	...	6,312	9	0
To amount collected on account of the 5 per cent. rate upon the annual value of houses and buildings	...	...	...	3,474	15	6
To amount realized on account of outstanding balance of house tax for 1868-69	...	...	...	670	0	0
Ditto ditto of fines under Act III. of 1869	...	...	...	225	3	2
Miscellaneous	...	...	...	17,252	3	9
Total				28,247	0	2

DETAIL OF DISBURSEMENTS				Amount.		
				Rs. A. P.		
Charges incurred in the collections at the rate of 5 per cent upon the annual value of houses and buildings	...	...	...	308	0	0
Charges incurred for metalling the Strand road	...	...	...	5,327	3	5
Ditto ditto repairing 64 kutcha roads in South Gowhaty	...	...	...	3,315	3	2
Ditto ditto repairing roads in North Gowhaty	...	...	...	671	13	1
Ditto ditto cutting and removing jungles in North Gowhaty	...	...	...	459	0	0
Ditto ditto in repairing and erecting Bazar sheds...	...	...	...	1,977	0	3
Ditto ditto ditto cattle pound	...	...	...	28	14	4
Ditto ditto ditto Municipal Bungalow	...	...	...	2,241	9	7
Ditto ditto ditto Godown	...	...	...	12	5	7
Ditto ditto clearing surfaces of Tanks	...	...	...	1,734	6	3
Ditto ditto repairing Ghâts	...	...	...	185	2	4
By amount paid for the maintenance of police	...	...	...	2,719	12	11
Ditto ditto charitable dispensary	...	...	...	550	0	0
Ditto conservancy charges (levelling)	...	...	...	1,272	0	0
Ditto removing dirt from the station	...	...	...	1,072	0	2
Ditto repairing bullock carts	...	...	...	162	2	1
Ditto erecting leopard trap	...	...	...	130	8	4
Ditto killing pariah dogs	...	...	...	49	2	0
By amount expended on account of cutting and removing jungle from station	...	...	...	2,454	13	0
Ditto ditto ditto of compensation paid for land taken for public purposes	...	...	...	869	8	0
Establishment of the office of the Municipal Commissioners	...	...	...	671	0	0
Contingencies of ditto ditto	...	...	...	22	0	0
Feed and keep of stock	...	...	...	404	2	7
Purchase of instruments	...	...	...	25	12	0
By amount expended for the supply of water	...	...	...	90	9	7
Remittance of fine	...	...	...	15	0	0
Purchase of stock	...	...	...	80	0	0
Miscellaneous	...	...	...	292	8	8
Cash in hand	...	...	...	89	8	7
Deposited in the treasury	...	...	...	894	14	6
Total				28,247	0	2

THOS. LAMB,

Chairman and Depy. Commr. of Kamroop.

The 23rd May 1870.

Meteorological Telegraphic Report for the period 31st July to 6th Aug. 1870.

STATIONS.	Date.	Hour.	Barometer re-duced to 32°.	Barometer re-duced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Weather initials.	CLOUDS.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July				☉	☉				Inches.		
	31st	10	29.383	29.401	82.5	80.5	91	N by E	...	0.13	a	
	Aug.	16	29.329	29.347	80.0	78.7	95	S S W	...	0.39	o	
	1st	10	29.599	29.578	80.8	78.5	83	S S W	...	0.86	o	
		16	29.498	29.516	80.5	81.0	77	S S W	...	0.04	...	K
	2nd	10	29.636	29.654	82.7	79.6	87	S W	...	...	o	
		16	29.509	29.527	85.7	81.0	79	S S W	...	...	...	S, C
	3rd	10	29.572	29.590	86.2	80.8	79	W	...	...	o	N
		16	29.477	29.495	88.3	81.5	72	S W	...	...	...	S
	4th	10	29.614	29.632	80.0	78.5	93	S W	...	1.13	o, d	
		16	29.507	29.525	82.5	80.0	89	S by W	...	0.13	...	S
	5th	10	29.710	29.728	85.6	81.7	83	S S E	...	0.33	...	K, C
6th	10	29.622	29.640	86.0	82.0	83	S E	...	0.70	r		
	16	29.758	29.776	86.4	81.6	81	S S E	...	...	...	K	
	16	29.652	29.670	85.5	81.7	85	E	...	...	o, t		
SAGOR ISLAND.	July											
	31st	10	29.418	29.424	80	78	90	N W	1	3.70	r, o	N
	Aug.	16	29.393	29.399	82	80	91	N W	3	0.10	r, o	N
	1st	10	29.594	29.600	83	79	83	W	3	0.70	m, o	N
		16	29.516	29.522	86	82	83	W S W	2	...	b, u	N
	2nd	10	29.645	29.651	83	80	87	W N W	1	0.40	o, v	N
		16	29.514	29.520	86	82	83	W	1	...	b	K, S
	3rd	10	29.583	29.589	86	83	87	W	1	...	b	N
		16	29.498	29.504	86	80	75	W S W	1	...	o	N
	4th	10	29.620	29.626	80	79	95	S S E	...	0.30	o, r	N
		16	29.535	29.541	82	80	91	S S W	1	0.30	o, v	N
	5th	10	29.719	29.725	88	84	83	S S W	1	0.10	b, v	N
6th	10	29.617	29.623	87	85	91	S S W	1	...	b	N	
	16	29.708	29.714	88	83	80	S S W	1	0.10	b	N	
	16	29.605	29.611	87	81	76	S S W	1	...	b	N	
CHITTAGONG.	July											
	31st	10	29.470	29.579	83	78	78	E S E	15.9*	0.60	b, v	K, CK, KS
	Aug.	16	29.405	29.514	83	77	75	E S E	15.1*	...	u	K, KS
	1st	10	29.596	29.701	81	80	95	E S E	6.5*	0.90	o, m	N
		16	29.485	29.604	82	80	91	S W	16.3*	0.10	o, g	N
	2nd	10	29.578	29.687	88	82	76	S E	6.9*	0.40	b, v	CS, CK
		16	29.500	29.608	87	82	79	S	9.1*	...	b	K, KS
	3rd	10	29.495	29.604	85	80	79	S E	5.6*	0.10	b, p	K, KS
		16	29.440	29.548	88	81	72	S W	9.1*	...	p, t	K, KS
	4th	10	29.605	29.716	82	80	91	S	4.8*	1.90	r, g	N
		16	29.445	29.554	84	80	83	S S W	6.1*	0.10	v	K, KS
	5th	10	29.662	29.771	87	81	76	E S E	7.1*	0.10	b, v	K
6th	10	29.593	29.703	85	81	83	W	8.4*	...	b	KS, CS	
	16	29.714	29.823	88	82	76	E	4.2*	...	b	K	
	16	29.597	29.706	89	83	76	W N W	6.1*	...	b	K	
MADRAS.	July											
	30th	10	29.711	29.741	88	76	55	W by S	16*	0.04	b, c	
		16	29.610	29.610	86	77	64	S	7*	...	b, c	
	31st	10	29.772	29.802	82	76	74	S W	7*	1.99	o	
	Aug.	16	29.679	29.709	88	78	62	S W	7*	...	b, c	
	1st	10	29.845	29.875	84	74	60	W	10*	...	b, c	
		16	29.710	29.740	90	75	47	W S W	13*	...	b, c	
	2nd	10	29.800	29.830	86	74	54	W	10*	...	b, c	
		16	29.655	29.685	87	78	65	N E	6*	...	b, c	
	3rd	10	29.752	29.782	88	75	52	W by S	10*	...	b, m	
		16	29.697	29.727	80	78	59	E	10*	...	b, c	
	4th	10	29.710	29.740	89	76	52	W N W	11*	...	m	
	16	29.616	29.646	88	77	68	E	8*	...	b, c		
5th	10	29.749	29.779	83	77	75	S W	7*	1.12	o		
	16	29.622	29.652	90	80	63	N W by N	5*	...	b, c		
CUTTACK.	July											
	30th	10	29.435	29.517	84	80	83	S W	15.5*	...	g	KS, N
		16	29.365	29.447	83	79	83	W S W	9.8*	...	u	KS, N
	31st	10	29.473	29.556	80	78	91	S W	8.3*	1.30	d, r	KS, N
	Aug.	16	29.430	29.513	82	79	87	S W	9.1*	0.10	d	K, KS
	1st	10	29.538	29.620	85	80	79	W	8.3*	0.10	d	CS, N, C
		16	29.505	29.587	85	80	79	E	46.8*	...	d, u	K, N
	2nd	10	29.608	29.690	85	80	79	W S W	28.0*	...	b	
		16	29.520	29.602	88	81	72	W S W	16*	...	...	CS
	3rd	10	29.553	29.635	87	81	76	W	?	...	b	
		16	29.467	29.549	86	81	79	W S W	?	...	m, r	
	4th	10	29.553	29.635	86	81	79	W S W	?	...	...	C
	16	29.470	29.552	87	82	79	S	?	...	g	KS, N	
5th	10	29.645	29.727	86	82	83	S W	?	...	...	K, N	
	16	29.573	29.656	86	81	79	S S E	?	...	...	KS	
AYR.	July											
	31st	10	29.693	29.708	80	77	86	S W	1	2.10	r	N
	Aug.	16	29.620	29.641	79	76	86	S W	1	2.60	r	N
	1st	10	29.737	29.752	82	78	82	S	1	1.20	g	KS
		16	29.724	29.739	83	80	87	S	1	...	m	KS
	2nd	10	29.726	29.741	82	79	87	S E	1	0.40	b	C, CS
		16	29.603	29.618	84	80	83	S W	1	...	b	C, CK, CS
	3rd	10	29.667	29.682	82	78	82	S E	1	...	b	C, CS
		16	29.630	29.645	81	78	78	S W	1	...	g	KS
	4th	10	29.689	29.704	81	78	86	S E	1	...	b	C, CS
		16	29.620	29.635	82	79	87	S W	1	...	b	C, CK, CS
	5th	10	29.754	29.769	83	80	87	S E	1	...	g	C, CS, N, K
	16	29.727	29.742	82	79	87	S E	1	1.80	b	C, CK, CS	
6th	10	29.813	29.828	83	79	83	S W	1	...	b	C, CK, CS	
	16	29.699	29.714	85	80	79	S	1	...	b	C, CS	

Velocity of wind in miles per hour.

CALCUTTA,
The 6th August 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Rainfall Reports compiled at the Meteorological Reporter's Office.

CIRCUIT.	STATIONS.	Rainfall from 18th to 24th July 1870.	Rainfall from 25th to 31st July 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
		Inch.	Inch.	Inch.	Up to date.	
SOUTH-WESTERN.	Pooree	2.63	Not received	9.82	24th July 1870.	
	False Point	6.10	ditto	17.80	ditto.	
	Cuttack { Telegraph Office	0.19	1.60	19.30	31st July 1870.	
	{ Jail	0.38	1.65	19.75	ditto.	
	Sambulpore	Not received	Not received	21.31	17th July 1870.	
	Balasore	1.11	ditto	20.24	24th July 1870.	
	Bhuddruck	2.69	2.47	14.35	31st July 1870...	From 16th June.
WESTERN.	Khoordah	0.97	Not received	7.66	21st July 1870...	From 27th June.
	Midnapore	Not received	ditto	4.20	5th June 1870.	
	Bancoorab	1.21	ditto	15.29	24th July 1870.	
	Chyebassa	5.35	ditto	21.20	ditto.	
	Purulia	2.80	3.44	24.15	31st July 1870.	
	Gobindpore	Not received	Not received	0.98	5th June 1870...	From 23rd May.
	Palamow	5.57	ditto	18.55	24th July 1870...	From 6th June.
	Burdwan	2.00	3.45	18.21	31st July 1870.	
	Cutwa	1.65	3.14	9.65	ditto	From 4th July.
	Culina	0.85	5.44	7.67	ditto	ditto.
	Bood-Bood	1.33	2.25	4.86	ditto	ditto.
	Raneegunge	3.33	5.43	31.91	ditto	
	Sooree	1.04	4.42	24.35	ditto	Not received 4th to 10th July.
	Deoghur	1.85	Not received	22.38	24th July 1870.	
	Burhee	2.67	0.97	25.68	31st July 1870 ..	Not received 3rd to 16th January and 7th February to 6th March.
	Hazareebaugh	1.88	Not received	20.83	24th July 1870.	
	Ranchee	4.26	2.34	28.89	31st July 1870.	
	Sasseram	3.88	5.09	27.59	ditto	From 28th March.
CENTRAL.	Saugor Island	0.00	5.60	31.90	ditto.	
	Contai	1.97	3.98	15.00	ditto.	
	Calcutta	2.15	5.31	31.98	ditto.	
	Howrah	2.32	5.86	27.36	ditto.	
	Allipore	2.90	5.47	24.29	ditto	From 30th May.
	Barrackpore	Not received	Not received	4.19	17th July 1870...	From 16th May
	Dum Dum	ditto	ditto	10.05	ditto	ditto.
	Barnet	ditto	ditto	16.37	ditto	ditto.
	Satkerah	ditto	ditto	17.53	ditto	ditto.
	Boseerhaut	ditto	ditto	11.30	ditto	ditto.
	Diamond Harbour	ditto	ditto	14.32	ditto	ditto.
	Barriore	ditto	ditto	20.13	ditto	ditto.
	Hooghly	1.18	8.02	32.01	31st July 1870.	
	Jessore	1.68	3.98	35.47	ditto.	
	Kishnagur	0.52	4.34	18.49	ditto	From 17th January, and not received 4th to 10th April, and 4th to 17th July.
	Ranaghat	1.12	2.38	19.97	ditto	From 7th February, and not received 4th to 10th April.
	Bongong	2.19	1.94	20.56	ditto	From 10th January, and not received 4th to 10th April.
	Meharpore	1.50	4.80	24.40	ditto	From 7th February, and not received 4th to 10th April.
	Choadangah	1.40	4.85	24.67	ditto	From 7th February, and not received 4th to 10th April.
NORTH-WESTERN.	Kooshteah	1.00	3.77	28.04	ditto.	
	Berhampore	1.53	0.81	26.35	ditto.	
	Furzedpore	1.40	Not received	33.22	24th July 1870.	
	Dowlat Khan	3.46	2.86	6.48	31st July 1870...	From 9th July.
	Burrisaul	3.05	4.81	40.72	ditto.	
	Perozepore	1.96	10.31	13.28	ditto	From 11th July.
	Madaripore	0.85	3.90	5.83	ditto	ditto.
	Bhaugulpore	3.07	3.80	20.99	ditto.	
	Mudheypoorah	1.49	0.37	19.15	ditto	From 2nd May.
	Banka	2.31	2.47	18.82	ditto	From 25th April, and not received 20th to 26th June.
	Monghyr	1.18	2.63	15.15	ditto.	
	Jamoeie	0.88	Not received	18.52	24th July 1870 ..	From 25th April.
	Begoesari	2.16	ditto	13.91	ditto	From 6th May, and not received 23rd to 29th May.
	Gya	2.75	5.55	17.60	31st July 1870.	
	Sherghotty	4.20	3.61	17.56	ditto	From 13th June.
	Nowadah	0.76	2.22	13.78	ditto	From 20th June.
	Behar	0.47	Not received	13.43	24th July 1870...	From 21st March.
	Patna	1.59	ditto	10.47	ditto.	
	Arungabad	7.39	7.05	15.89	31st July 1870...	From 11th July.
	Bhubhoah	2.80	6.23	25.29	ditto	From 25th April.
NORTHERN.	Barh	1.22	Not received	7.12	24th July 1870...	From 16th May, and not received 4th to 10th July.
	Arrah	1.38	3.53	17.47	31st July 1870.	
	Buxar	5.29	2.77	19.47	ditto.	
	Chuprah	1.52	3.02	21.43	ditto.	
	Sewan	0.39	1.59	24.14	ditto	From 2nd May.
	Chumparun	Not received	Not received	25.90	10th July 1870.	
	Benares	4.40	5.55	22.86	31st July 1870.	
	Mosuffepore	4.00	Not received	33.60	24th July 1870...	From 1st March.
	Dinapore	1.57	2.60	14.08	31st July 1870 ..	From 14th February.
	Rampore Beaulah	2.16	1.68	17.76	ditto.	
	Natore	1.80	Not received	15.66	24th July 1870 ..	From 2nd May, and not received 20th to 26th June.
	Patna	0.82	3.93	29.94	31st July 1870.	
	Coomercolly	0.08	6.33	26.77	ditto	From 2nd May.
	Seraingunge	0.81	1.04	18.57	ditto	From 15th May.
	Maidah	1.48	1.10	20.32	ditto	Not received 4th to 10th July
	Bograh	1.50	3.00	36.68	ditto.	

CIRCUIT.	STATIONS.	Rainfall from 1st to 24th July 1870.	Rainfall from 25th to 31st July 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
NORTHERN. — (Contd.)	Dinagopore ...	Inch. 2.42	Inch. Not received	45.81	24th July 1870...	Not received 27th June to 3rd July.
	Rungpore ...	0.89	0.18	77.71	31st July 1870.	
	Falacottah ...	3.64	1.49	34.70	ditto	From 4th July.
	Boda ...	5.30	1.18	41.81	ditto	From 27th June.
	Titalya ...	11.26	0.79	50.58	ditto	Do.
	Buxa ...	Not received	Not received	100.40	30th June 1870...	Not received 1st to 31st May.
	Rungbee ...	ditto	ditto	23.25	31st May 1870.	
	Darjeeling { Telegraph Office	ditto	ditto	50.60	30th June 1870.	
	{ Jail	9.63	ditto	65.90	24th July 1870.	
	Gowalparah ...	3.38	ditto	89.29	ditto	
NORTH-EASTERN.	Dhobree ...	1.31	3.95	65.28	31st July 1870	From 30th May.
	Gowainaty ...	0.66	Not received	37.37	24th July 1870.	
	Toora (Garo Hills) ...	0.97	ditto	51.91	ditto	From 13th June.
	Shillong ...	1.78	ditto	35.24	ditto	
	Jowai ...	Not received	ditto	41.82	17th July 1870	From 21st June.
	Nunklow ...	ditto	ditto	11.60	31st May 1870.	
	Nowgong ...	0.70	ditto	48.90	24th July 1870	Not received 2nd to 8th May.
	Tezporo ...	0.95	ditto	53.98	ditto	
	Dholebagun ...	2.65	ditto	43.87	ditto	
	Burpettah ...	Not received	ditto	6.30	10th July 1870...	From 4th July.
EASTERN.	Seebaugur ...	3.76	ditto	50.87	24th July 1870.	
	Debrooghur ...	2.05	ditto	89.45	ditto	
	Suddya ...	Not received	ditto	35.45	17th July 1870	From 20th June.
	Samooogoodting ...	ditto	ditto	19.75	ditto	From 3rd January.
	Dacca { Telegraph Office	ditto	ditto	20.39	30th June 1870	Not received 1st to 15th June.
	{ Jail	4.50	ditto	23.25	24th July 1870	Not received 4th to 10th July.
	Mymensing ...	1.30	0.61	37.37	31st July 1870.	
	Jamalporo ...	1.50	Not received	19.16	24th July 1870	From 29th June.
	Atteah ...	2.15	ditto	2.23	ditto	From 11th July.
	Kishorgunge ...	0.32	1.48	3.33	31st July 1870	From 1st July, and not received 4th to 10th July.
SOUTH-EASTERN.	Sylhet ...	3.14	Not received	77.42	24th July 1870.	
	Cachar ...	3.03	ditto	56.63	ditto	
	Aenakhall Hylakandy ...	4.15	ditto	51.06	ditto	
	Tipperah ...	1.23	ditto	36.75	ditto	
	Brahmanbariah ...	0.66	ditto	1.43	ditto	From 11th July.
	Noakhally ...	2.75	ditto	34.27	ditto	
	Chittagong { Telegraph Office	0.40	3.30	38.41	31st July 1870.	
	{ Jail	0.65	Not received	20.98	24th July 1870.	
	Rangamata Hill ...	Not received	ditto	34.50	3rd July 1870.	
	Akyab ...	15.50	11.00	98.40	31st July 1870.	

CALCUTTA,
The 6th August 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of Bengal.

Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 16TH TO 31ST MAY 1870.

N. B.—The Barometric data are reduced for temperature, and not for height above sea level.

STATIONS.	Height above sea level.	BAROMETER.					THERMOMETER.										HUMIDITY.				RAINFALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		MEAN OF					Range.	SOLAR RADIATION.			Mean of max.	Mean of min.	MEAN OF				HIGHEST MAX.	Absolute range.	LOWEST MIN.	MEAN OF				In inches.	No. of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Mean.	4 hours.	10 hours.	16 hours.	22 hours.		Max.	Min.	Day.			Day.	Day.	4 hours.	10 hours.				16 hours.	22 hours.	Day.	Day.			Mean.	4 hours.	10 hours.	16 hours.	22 hours.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Port Blair	216	29.574	...	29.622	29.626	...	144.0	24th	165.0	28th	102.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</

* No correction for index error has been applied to the Benares barometric readings.

CALCUTTA—MAY.

Mean barometric pressure of 16 years	...	29.655	Mean temperature of 16 years	...	85.0	Mean humidity of 16 years	...	73	Mean rainfall of 16 years	...	5.73
Do ditto of 1870	...	29.629	Do ditto of 1870	...	87.9	Do ditto of 1870	...	72	Actual fall in 1870	...	0.32
Defect in 1870	...	...	Excess in 1870	...	1.9	Defect in 1870	...	1	Defect in 1870	...	4.55

CALCUTTA,
The 6th August 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Mean Pressures and Temperatures of the preceding Table reduced to sea level, with mean Wind directions.

STATIONS.	Mean Barometric pressure reduced to sea level.	Mean Temperature reduced to sea level.	Proportional prevalence Max=100.	Mean direction.
Port Blair	29.797	81.2	62	S 47° W
Madras	29.715	80.6	71	S 6° E
Vizagapatam	29.670	82.5	77	S 14° E
Akyab	29.738	87.8	54	S 63° W
False Point	29.690	91.4	48	S 13° W
Cuttack	29.637	87.2	75	S 11° E
Saugor Island	29.644	84.3	75	S 44° W
Chittagong	29.753	86.2	53	S 30° E
Calcutta	29.632	83.9	79	S 11° E
Jessore	29.632	83.0	50	S 13° E
Dacca	29.665	81.8	72	S 22° E
Cachar	29.689	95.0	13	N 80° E
Hazareebaugh	29.516	87.5	22	S 21° W
Berhampore	29.616	90.0	74	S 44° E
Patna	29.568	88.9	81	N 68° E
Monghyr	29.574	79.9	89	N 84° E
Darjeeling	29.707	80.9	31	S 51° E
Gowaharah	29.683	81.6	66	S 71° E
Shillong	29.644	95.0	35	S 85° W
Benares	29.592		42	N 64° E

NOTE.

Barometric Pressure.—The pressures in column 2 of the above Table for all stations below 500 feet are reduced from those given in column 3 of the Table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's Tables as given in Guyot's "Meteorological and Physical Tables."

Temperature.—The temperatures in column 3 are reduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

Wind Direction.—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half-month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half-month which shall shew the isobaric and isothermal lines, and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous Tables.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th August 1870.

MONTH.	Date.	Mean reduced Barometer.	THERMOMETER.		Max. Solar radiation.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean degree of humidity.	WIND.			Rain.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			lb	Miles.	Inches	
August	1st	29.521	86.5	78.3	119.5	81.7	78.9	76.9	0.86	S S W	...	230.4	0.01	Overcast, stratoni. & cirrocumuli. Light rain at 0, 7, 9 and 11 A.M.
	2nd	29.571	85.7	79.6	120.0	82.3	79.7	77.9	.87	SSW & SW	...	150.8	...	Chiefly stratoni. Drizzled at 9½ A.M. and 7 P.M.
	3rd	29.536	89.0	80.8	128.5	84.5	80.8	78.2	.82	S.W. & S by W	...	79.2	...	Stratoni and cumuli and cirri. Lightning to N. at 9 P.M. Drizzled at 10½ A.M. & 8 P.M.
	4th	29.563	83.5	78.4	...	80.8	79.3	78.2	.92	S by W	...	74.8	1.59	Chiefly overcast. Thunder & lightning at 3 & 4 A.M. Rain from 4½ to 8.10 to 12 A.M. & at 6 P.M.
	5th	29.659	89.0	79.0	129.5	83.1	80.0	77.8	.85	SSE & S	...	146.3	0.70	Cumuli and clear. Thunder at 2½ P.M. Rain at 1½, 2, and 4 P.M.
	6th	29.710	90.8	80.0	130.0	83.9	80.8	78.6	.85	S & SSW	...	98.9	...	Clear and cumuli. Thunder at 3½ & 4 P.M. Drizzled at 3½ and 5½ P.M.
	7th	29.736	90.2	80.4	127.5	84.3	80.6	78.0	.82	SSW. & S by W	...	59.8	...	Clear, cirri, and cumuli.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the Anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	12.5
The max. temperature during the past seven days	...	90.8
The max. temperature during the corresponding period of the past year	...	90.6
The mean humidity during the past seven days	...	0.86
The mean humidity during the corresponding period of the past year	...	0.85
		Inches.
The total fall of rain from 1st to 7th	... { by lower rain gauge	2.33
	... { by Anemometer gauge	2.09
Ditto ditto, average of sixteen previous years	...	3.76
Ditto between the 1st January and the 7th current	...	35.07
Ditto ditto ditto, average of 16 years...	...	41.16

GOPEENATH SEN,
In charge of the Observatory.

The 8th August 1870.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for week ended 23rd July 1870 on 1,131½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.											
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.															
		Rs.	As.	P.	£	s.	d.	Mds.	Srs.	Rs.	As.	P.	£	s.	d.	£	s.	d.		
Total Traffic for the week ...	86,962	1,10,943	6	4	10,169	16	3	4,81,445	10	3,21,524	9	0	29,473	1	8	39,642	17	11		
Or per mile of Railway			98	0	10		8	19	9		281	2	6		26	1	0	35	0	9
For previous 2 weeks of half-year	2,229,527	2,74,507	14	1	25,163	4	5	13,41,055	30	8,25,359	14	0	75,657	19	10	100,821	4	3		
Total for 3 weeks ...	3,09,189	3,85,451	4	5	35,333	0	8	18,23,101	0	11,46,884	7	0	105,131	1	6	1,40,464	2	2		
COMPARISON.																				
Total for corresponding week of previous year ...	97,242	1,17,210	5	3	10,744	5	7	4,98,516	20	3,00,065	11	9	27,506	6	0	38,250	11	7		
Per mile of Railway corresponding week of previous year			103	10	2		9	10	0		265	5	0		24	6	5	33	16	5
Total to corresponding date of previous year ...	3,81,225	3,95,316	15	11	36,237	7	9	16,50,447	20	9,53,322	7	9	87,387	17	10	1,23,025	5	7		

* Rs. 4,551-11-9 added on account of freight of locomotive coal carried on Jubulpore line.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for week ended 23rd July 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	2,901	7,711 14 8	704 18 6	15,527 10	4,242 7 9	388 17 11	1,095 16 5
Or per mile of Railway ...	13	34 9 4	3 3 5	69 8 0	19 0 5	1 14 10	4 18 3
For previous 2 weeks of half-year	9,411	23,070 11 11	2,114 16 4	46,429 0	12,779 5 6	1,263 2 2	3,377 18 6
Total for 3 weeks ...	12,372	30,782 10 7	2,821 14 10	61,956 10	18,021 13 3	1,652 0 1	4,473 14 11
COMPARISON.							
Total for corresponding week of previous year ...	2,730	5,925 7 4	543 3 4	31,354 10	7,102 0 11	651 0 5	1,194 3 9
Per mile of Railway corresponding week of previous year ...	12	26 9 2	2 8 8	144 0 0	31 13 7	2 18 5	5 7 1
Total to corresponding date of previous year ...	10,073	22,989 10 8	2,108 6 1	1,05,686 10	24,465 15 1	2,242 14 2	4,351 0 8

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 23rd July 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	29,058	14,055 14 9	1,288 0 2	64,700 5	10,035 14 3	919 19 2	2,208 8 4
Or per mile of Railway ...	257	124 1 10	11 7 6	572 0	88 9 10	8 2 6	19 18 0
For previous 3 weeks of half-year	57,603	29,985 4 9	2,748 13 0	2,10,469 3	40,029 6 7	3,674 17 3	6,423 19 3
Total for 4 weeks ...	86,621	44,041 3 6	4,037 2 2	2,75,259 8	50,125 4 10	4,594 16 5	8,631 18 7
COMPARISON.							
Total for corresponding week of previous year ...	24,255	13,202 11 6	1,210 5 0	1,17,145 25	21,082 2 0	1,932 10 7	3,142 15 7
Per mile of Railway corresponding week of previous year ...	214	116 9 3	10 13 9	1,034 0	186 2 6	17 1 3	27 15 0
Total to corresponding date of previous year ...	85,757	46,849 0 5	4,204 10 10	3,57,602 11	65,832 12 0	6,034 15 5	10,329 4 3

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 23rd July 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	4,816	836 8 9	83 13 1	8,825 26	300 0 0	30 0 0	113 13 1
Or per mile of Railway ...	172	29 14 0	2 19 9	315 0	10 11 5	1 1 5	4 1 2
For previous 16 weeks of half-year	97,037	15,788 14 6	1,578 17 10	1,72,040 14	6,054 8 6	605 9 1	2,184 6 11
Total for 17 weeks ...	97,574	16,625 7 0	1,662 10 11	1,80,866 0	6,354 8 8	635 9 1	2,298 0 0
COMPARISON.							
Total for corresponding week of previous year ...	4,014	742 7 5	83 1 2	7,983 6	433 13 0	39 15 4	107 16 8
Per mile of Railway corresponding week of previous year ...	143	26 8 3	2 8 7	284 0	15 7 11	1 8 5	3 17 6
Total to corresponding date of previous year ...	82,605	15,770 14 5	1,445 13 3	1,98,831 21	18,514 7 9	1,248 16 6	2,684 8 9



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 17, 1870.

OFFICIAL PAPERS.

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Reports on Municipalities in the Bhaugulpore Division during 1869-70.

From J. W. DALRYMPLE, Esq., Commissioner of the Bhaugulpore Division, to the Secretary to the Government of Bengal in the Judicial Department,—(No. 72, dated Bhaugulpore, the 7th July 1870.)

I HAVE the honor to submit copies of the administration reports of the municipalities of this division for the year 1869-1870, as well as statements of their receipts and disbursements during that period.

2. *Bhaugulpore*.—The chairman's report shows that much attention has been paid to municipal matters during the year, and both the present chairman and his predecessor Mr. Money are entitled to commendation on that account. I am of opinion that as much is being done for the town as the state of the funds and the great extent of the town permit.

3. *Monghyr*.—The Monghyr Municipality has likewise been well administered. The present chairman, Mr. Barlow, like his predecessor Mr. Palmer, is most energetic in looking after the town, and there is happily no longer anything to complain of regarding non-attendance at meetings by the other commissioners.

4. *Purneah*.—I am glad to be able to report an improved state of things in the Purneah Municipality. Many more meetings have been held this year than formerly, and I found that the newly-appointed sub-committee had taken much interest in its business. The cutcha roads are in an unsatisfactory state, but this is no doubt to a considerable extent attributable to the sandy nature of the soil. I think that the chairman deserves commendation for the attention he has paid to the remarks of Government made on last year's annual report.

From V. TAYLOR, Esq., Chairman of the Municipality, Bhaugulpore, to the Commissioner of the Bhaugulpore Division,—(No. 26, dated Bhaugulpore, the 11th May 1870.)

I HAVE the honor herewith to submit the annual administration report of the municipal commissioners during the past year 1869-70.

2. The total income of the present year has been shown as Rs. 38,479, against Rs. 39,755 as shown for the year 1868-69; or a decrease of Rs. 1,276. The balance outstanding at the close of the year (all of which is reported recoverable) amounts to Rs. 8,342, as against Rs. 8,952 outstanding at the close of the previous year. The chief items of decrease are in the items of—*first*, ferry collections, which show a decrease of Rs. 3,099; pound collections, a decrease of Rs. 403; fines under the Act and bye-laws, a decrease of Rs. 738. The chief items of increase are license fees on hackeries, which were not imposed last year, amounting to Rs. 3,769, and licenses for wood-godowns, showing an increase of Rs. 95. Cause of decrease in ferry collections appears to be that in 1868-69 arrears of 1867-68 were collected to the amount of over Rs. 2,000.

3. My predecessor, in forwarding his last annual report, remarked that the charges of establishment have been out of all proportion to its income, and arrangements were effected by him, which reduced the total cost of the establishment by Rs. 2,500.

The conservancy establishment for the year under report cost Rs. 3,480, as against Rs. 3,268.

The road establishment cost Rs. 3,396, as against Rs. 4,183. The general charges have been slightly decreased. The metalling of roads cost Rs. 5,381, as against Rs. 5,866; and the maintenance of the police has cost Rs. 8,576, against Rs. 9,032.

4. *Roads*, as remarked in the preceding paragraph. The remetalling (exclusive of smaller repairs) of roads cost Rs. 5,381, against Rs. 5,866. In the preceding year one road was undertaken by my predecessor at a heavy cost, and stone was used in place of kunkur. The contract was never properly completed, and the road is as bad as any in the station. I would draw attention to my predecessor's report of last year, wherein he wrote that great difficulty has been experienced in the consolidation of metalled roads for want of water. Water here is only obtainable from wells of great depth, and their absence sometimes at the site of works occasions additional labour. This matter the municipal commissioners have taken action on, and it is intended to expend some of the funds of the municipality in sinking a few wells at properly selected sites, and in endeavouring to utilize some of the existing dried up wells. Without a good supply of water to make a road, or keep a road in order at Bhaugulpore, is simply so much money thrown away; and the commissioners have already ordered two water-carts to commence with on one of the heavy roads of the station. At the close of 1870-71 the commissioners hope to be able to report great progress in this matter.

5. *Consevaney*.—Four additional latrines have been constructed during the year. Additional carts have been purchased to keep the town clean, but the sweepers are not sufficient in number to keep the interior of the villages of which the municipality is composed in a proper state of cleanliness. It is useless writing on so difficult a subject. The money cannot all be spent for any single purpose, and to reduce the large extent of ground within the municipality to what a clean and healthy town ought to be, would require more than all the municipal funds annually.

6. My predecessor last year remarked:—"The system of manuring land with latrine poudrette has been introduced this year. Ten beegahs of land have been taken up for this purpose. The cultivation of the land has not yet commenced, but it is expected that a fair profit will accrue from this system. The land has not as yet been cultivated; the ground is very hard, and great difficulty has been experienced in getting the mehters to dig it deep enough to ensure proper disposal of the night-soil. Complaints have arisen, but the commissioners have insisted on the work being properly done."

7. The commissioners, wishing to put a stop to the disgusting and unhealthy practice of burying corpses anywhere and at any depth, decided that the provisions of sections 78 and 79 of Act III. of 1864, and the corresponding bye-laws, should be strictly enforced. This was not carried without some opposition; but spots were during the year selected as proper sites for burying-grounds, and the chairman is endeavouring to come to some amicable arrangements with the owners thereof regarding the purchase. I have very little doubt that eventually application will have to be made to take the land for public purposes according to law. Until these burying-grounds are provided by the commissioners, but little can be done to prevent the continuance of the present system. I hope that this design of the majority of the commissioners, if introduced judiciously, quietly, and firmly, will be the means of accomplishing a very important and much-needed sanitary measure.

8. The office of chairman was held from April to August by Mr. W. J. Money, c.s.r., from 1st to 30th September by Mr. A. C. Brett, and from the 1st October to 31st March by Mr. V. T. Taylor. The greater part of my incumbency was during the cold weather, when I was absent in the interior of the district. I was unable therefore to attend to municipal work as much as I otherwise would have done.

9. The following shows the gentlemen composing the municipal committee, and the number of meetings attended by each, the total number of meetings held during the year being 23:—

Mr. J. W. Dalrymple, the whole year	...	...	...	0
„ J. Fitzpatrick, the whole year	...	...	...	20
„ Jennins, district superintendent of police, the whole year	...	...	...	7
„ C. Wilkins, from 12th June to 7th October 1869	...	...	...	12
„ J. DaCosta, the whole year	...	...	...	9
Dr. N. B. Baillie, civil surgeon, the whole year	...	...	...	3
Moulvy Ushrut Ally, the whole year	...	...	...	20
Baboo Soorjee Narain Sing, the whole year	...	...	...	9
„ Brij Mohun Thacoor, the whole year	...	...	...	5
„ Kristodhone Ghose, the whole year	...	...	...	11
„ Mohesh Lall, the whole year	...	...	...	2
Moulvy Woheedooddeen, the whole year	...	...	...	0
Mr. A. C. Brett, from 27th November to March 1870	...	...	...	4
„ T. J. C. Grant, from 27th November to March 1870	...	...	...	3
Baboe Surdharee Lall, from 27th November to March 1870	...	...	...	3

10. At the end of the year the vice-chairman resigned, his appointment both as vice-chairman and member. This is a matter of some regret, as he took great interest in his duties. Moulvy Syud Ushrut Ally also has taken great interest in the affairs of the town, and has done a good deal of work, but is not likely to overcome the prejudices he now holds on some matters. Baboo Surdharee Lall, though very recently appointed, will evidently become a most useful member of the others. Mr. J. DaCosta, Baboo Soorjee Narain Sing, and Baboo Brij Mohun Thacoor, are pleaders, and are probably unwilling to endanger the interests of their clients by attending the meetings as often as they might otherwise do. Moulvy Woheed-oodeen is judge of the small cause court.

11. In conclusion, I must express my opinion that from various circumstances the Bhaugulpore Municipality is a very difficult one to manage. Reports as previously made can be recorded again in support of this assertion. The great straggling length of the town, the number of branch roads, the deficient water-supply, the crumbling nature of material used (kunkur) in repairs, extensive traffic of carts, and the poverty of the municipality, are all causes for the bad roads.

12. There are great evils in the station itself. "To improve Bhaugulpore would cost probably ten times as much as the fee simple of the whole place is worth." Any idea of drainage is almost hopeless in consequence, and each village would require drainage of its own. Here is little or no money that can be spared for such a purpose. Dr. Wright, in his sanitary report for 1868, has put on record:—"The general condition of the place is not so satisfactory as might be desired; but on the other hand it is very much better than that of any other places." Bhaugulpore is not a compact city, has no crowded and regularly built bazaars; but is, on the other hand, a conglomeration of many villages within a certain boundary. It is spread over an enormous area, and the population, as compared with the area, is scanty; while the people are almost uniformly poor, and the rateable property in the possession of each is exceedingly small. From these circumstances it follows that there must be a great extent of road kept up, and also that a large number of municipal police is required; and in practice it is found that when these two expenses have been met, the balance available for the general improvement of the town is extremely scanty.

13. Taking, then, all these difficulties into consideration, I venture to say that much has really been done during the past year in the right direction, and during the coming year much more will be done as regards sanitary and conservancy arrangements, and a foundation laid for the more easy, lasting, and profitable repairs of many of the roads after the next cold weather.

Municipal Improvement Fund under Act III. of 1864 (B. C.) for the year 1869-70, commencing from 1st April 1869 to 31st March 1870.

INCOME.				Rs.	As.	P.	Rs.	As.	P.
Balance from last account	...	...	...	...	...	...	8,952	6	2
Amount collected on account of the rate of 5 per cent. upon the annual value of houses	...	...	...	12,358	1	6			
Ditto ditto remitted, being irrecoverable	...	...	...	1,476	4	3			
Ditto ditto refunded to the parties on account of old chowkeydary tax collected in advance	...	...	...	73	4	6	13,907	10	3
Amount of ferry collections	...	...	...	9,381	4	0			
Ditto of pound collections	...	...	...	1,067	6	9	10,448	10	9
Ditto fines under Act III. of 1864 and under bye-laws	...	...	...	923	6	6			
Ditto fees under ditto	...	...	...	79	8	0			
Ditto fees on account registration of hackeries	...	...	...	3,769	4	0	4,772	2	6
Ditto license on account wood golas	...	...	...	111	12	0			
Ditto ditto on bricks	...	...	...	43	6	6	155	2	6
Ditto earnest-money deposited by contractor of municipal roads	...	...	...	100	0	0			
Ditto of printed forms refunded	...	...	...	136	0	0			
Ditto of old chowkeydary tax	...	...	...	7	8	0	243	8	0
Grand total	...	...	...	...	...	...	38,479	8	2

DISBURSEMENTS.				Rs. As. P.		Rs. As. P.	
Charges incurred in the collection of the rate of 5 per cent. upon the annual value of houses ...				1,463	4 0		
Ditto conservancy establishment ...				3,479	9 8		
Ditto road establishment...				3,398	7 9		
Ditto municipal commissioners' establishment ...				252	0 0		
Ditto general charges ...				400	2 6		
						8,991	7 11
Ditto on account remetalling roads ...				5,380	11 9		
						5,380	11 9
Ditto for maintenance of police ...				8,576	7 7		
						8,576	7 7
Ditto for construction of latrines ...				4,000	0 0		
						4,000	0 0
Ditto for repairing cutcha roads ...				70	6 0		
Ditto for purchase of bullocks and carts...				40	0 0		
Ditto for retiling sheds ...				94	14 0		
Ditto for construction of bridges and culverts ...				501	1 0		
						706	5 0
Ditto for office buildings ...				1,350	0 0		
						1,350	0 0
Amount refunded on account old chowkey tax collected in advance ...				73	4 6		
Ditto remitted, being irrecoverable ...				1,476	4 3		
Contingencies ...				620	12 10		
						2,170	5 7
Balance on 31st March 1870 ...						7,304	2 4
			Grand total			38,479	8 2

MEMO. No. 21.

FORWARDED to the Commissioner of Bhaugulpore with reference to his No. 175, dated 26th April 1870. The report will be sent hereafter.

BHAUGULPORE MUNICIPAL OFFICE.

The 4th May 1870.

(Sd.) V. TAYLOR,

Chairman.

From J. B. WORGAN, Esq., Chairman of the Municipal Commissioners, Purneah, to the Commissioner of the Bhaugulpore Division, — (No. 5, dated Purneah, the 11th May 1870.)

I HAVE the honor to submit herewith the annual statement of actual income and expenditure of the municipal improvement fund for the year 1869-70, with an appendix showing the main differences observable between the budget estimate for the year submitted on the 6th January 1869, and the results of the said year.

2. Looking at gross results, it will be seen that the income of the year was under-estimated by nearly Rs. 3,000, and the expenditure by nearly Rs. 1,100. Considering, however, the character of the income, this is not at all surprising.

3. A revision of the registers of demand of house assessment showed that they were considerably in excess of the collectable demand, and in reality the current collections on this account have been good.

4. The arrear demand for 1868-69 was all cleared off by collection or remission by the end of the year; Rs. 980 were found capable of remission.

5. The demand for land assessment was also found to be shown at too high a figure in the registers, and was reduced on revision. The current collections have been good. There are still arrear balances, which, however, will probably have to be remitted.

6. The cart-tax is the most unsatisfactory and troublesome element of income. Large old balances exist on this head, which are at present under inquiry by the finance sub-committee. The current collections are very bad, being only Rs. 933 out of a demand by the register of Rs. 3,060. I have directed that the cart-owners concerned be promptly prosecuted, as the only means of realizing the tax.

7. The current collections in other respects have been decidedly good as compared with former years, and for this I am indebted to the aid afforded by Mr. Cockburn, the district superintendent of police.

8. Altogether, the financial condition of the municipality is healthy. Great expense has been incurred and met on metalling nearly seven miles of road in the last four years, and on little original road-work remains, and repairs of metalled roads and cutcha roads will chiefly require attention. The road through the main street of the city was metalled during the year, and three cross roads in the station.

9. A sub-committee of roads and finance was appointed on the 10th July 1869, and they have proved very useful. They held fifteen meetings in the year.

10. Thirteen meetings of the full committee were called.

11. The Sowrah bridge still stands in fair condition.

12. The municipality completed an experimental census during the year under report, about which much trouble was taken, but which I think gave incorrect results owing to the passive opposition of the people.

APPENDIX.

A few items of receipts and disbursements call for remark.

RECEIPTS.

Balance of former year.—Budgeted, Rs. 1,460; actual, Rs. 2,627-8-6. The budget on this head can of course only be conjectural.

Fines.—Budgeted, Rs. 50; realized, Rs. 416. Rs. 394 was realized from defaulting cart-owners fined by various magistrates; the rest are purely conservancy fines.

Miscellaneous.—Budgeted, Rs. 10; realized, Rs. 198. Nearly the whole amount realized from the sale of Sesoo trees and branches of pepul trees destroyed by a storm in March 1869.

DISBURSEMENTS.

1st. *Roads.*—Budgeted, Rs. 8,762; expended, Rs. 9,464. Difference of Rs. 702 over-spent.

Rs. 700 was paid to contractors in April, May, and June of 1869-70 for work done in the previous year. Properly the money should have been drawn in the end of March of 1868-69, as it was done in the end of last official year.

Kutcha roads.—Budgeted, *nil*; expended, Rs. 709. This amount was borrowed from the local improvement allotment, as that allotment was budgeted Rs. 1,000, expended *nil*.

Conservancy.—Budgeted, Rs. 972; expended, Rs. 722. Instead of three carts kept only two, and no conservancy darogah was kept.

Miscellaneous, Stationery, &c.—Budgeted, *nil*; expended Rs. 505-9. Through an oversight no provision was made in the budget for printed forms of *receipts, notices, warrants, &c.*

Pound charges.—Budgeted, Rs. 303; expended, Rs. 234. The full amount estimated for repairs was not spent.

Toll expenses.—Budgeted, Rs. 768; expended, Rs. 543. The same remark as the pound.

Wheel Tax.—Budgeted, *nil*; expended, Rs. 36-8-0 in notification, &c.

For Complaints.—Erroneously budgeted *nil*; expended, Rs. 43-8-0.

The purchase of Roller.—Budgeted for in 1867-68, written for in 1868-69, arrived in beginning of 1869-70, omitted to be again shewn in the budgets of 1868-69 and 1869-70.

Municipal Improvement Fund under Act III. of 1864 for 1869-70, Purneah district.

RECEIPTS.

	Rs.	As.	P.
To balance from last account	2,627	8	6
„ outstanding balances of house assessment realized	2,062	10	0
„ ditto ditto of land ditto ditto	281	7	6
Ditto of Sowrah toll collection realized	985	0	0
Ditto of cart-tax realized, July to December 1867	36	0	0
Ditto ditto, January to June 1868	47	0	0
Ditto ditto, July to December 1868	304	0	0
Ditto ditto, January to June 1869	731	0	0
On account of current house assessment at 6 per cent.	11,796	15	9
„ ditto ditto land ditto at 6 per cent.	423	8	6
Ditto ditto Sowrah toll collection	1,731	15	0
Ditto of fines	416	7	0
On account of current cart-tax realized, <i>i.e.</i> , July to December 1869, January to June 1870	933	0	0
On account of miscellaneous receipts	198	7	6
On account of pound proceeds	1,797	12	3
Total	24,372	12	0

DISBURSEMENTS.

By charges incurred in the collection of 6 per cent. upon annual value of houses, buildings, and lands	401	15	3
General charges, establishment of the office of Municipal Commissioners constituted under Act III. of 1864, including salary of overseer and secretary and vaccinator's salary	2,641	5	9
Miscellaneous and contingent charges, including purchase of stationery and printed receipt and notice forms, &c.	505	9	0
Expended in construction of pucca roads and repairs of old metalled roads	9,464	0	0
Expended in maintaining cutcha roads	709	12	3
Conservancy charges	722	4	6
Amount paid for maintenance of police	6,252	0	0
Amount paid for clothing of municipal police	304	0	0
Amount expended in repairs of pounds, salary of pound-keepers, and money returned under section 11, Act III. of 1857	234	1	0
Establishment and contingent charges over Sowrah bridge toll collection	315	0	0
Amount expended in notification and registration of carts	36	8	0
Amount expended in complaints to recover dues from defaulting cart-owners, &c.	43	8	0
Amount expended in filling up holes under the Sowrah bridge	228	0	0
Amount expended in purchase of an iron roller of 1½ ton for pucca roads	429	8	0
Balance	22,287	7	9
„	2,085	4	3
Total	24,372	12	0

From G. N. BARLOW, Esq., Magistrate, and Chairman of Monghyr Municipality, to the Commissioner of the Bhaugulpore Division,—(No. 11, dated Monghyr, the 22nd April 1870.)

I HAVE the honor to submit the administration report of the Monghyr Municipality for the year ending 31st March 1870.

2. The statement of receipts and expenditure shows how the monies received have been expended.

3. The principal works undertaken by the commissioners during the year are as follow:—

A.—A sum of Rs. 8,000 has been expended in repairing and constructing roads about the town and fort of Monghyr. A good deal of work still remains for completion during the current year.

B.—Rs. 1,800 have been disbursed for improvement of drainage in certain urgent cases of necessity.

C.—The arrangement for lighting the roads in town and fort, and watering the streets in the principal bazaars, referred to in last year's report, have been completed, and worked satisfactorily.

D.—Rs. 2,000 were contributed as a donation by the municipality in aid of fund for constructing a large tank within the fort. This work has been also completed.

E.—An excellent and substantial cattle pound, with adjoining sheds to keep water-carts, &c., in, has been constructed.

4. The market-place, referred to in the last report as being about to be constructed at the private expense of Baboo Rampershad Dass, one of the commissioners, has been erected and made over in perpetuity to the municipality. The market has been opened and is likely to be a success; so much so that certain small extensions connected therewith have already been approved and undertaken by the municipality.

5. Two public privies erected last year have been at work during the year. They are sufficiently successful to show that the natives have no objection to the introduction of the system; but provision on a large scale for the whole town yet remains to be afforded. This, together with the important question regarding general drainage of the town, will probably now be entered upon under the stimulus of the Government orders circulated lately with the sanitary commissioner's report.

6. The health of the town has been good during the year.

7. I have had no fault to find with regard to the attendance of municipal commissioners at meetings during the time I have been here.

Municipal Improvement Fund.—Statement of Monghyr District for the year 1869-70.

RECEIPTS.							
				Rs.	As.	P.	Rs. As. P.
To balance on the 31st March 1869 in treasury	...	...	...	8,270	7	11	
" " in hand of the overseer	...	...	...	32	4	5	
							8,302 12 4
" Municipal house-rate collection at 5½ per cent.	...	...	...	17,920	1	0	
" Registration of palankeen and carriages under Act V. (B.C.), 1866	...	...	...	117	8	0	
" Fines realized	...	...	...	319	15	0	
" Municipal ferry collection	...	...	...	11,833	5	4	
" " pound	...	...	...	376	2	9	
" Miscellaneous	...	...	...	4,542	1	1	
							35,109 1 2
Total	...	...	...	.....			43,411 13 6
DISBURSEMENTS.							
By expenses of collecting establishment	...	...	...				1,380 0 0
	General Charges, &c.	...	...				
By overseer and office establishment	...	...	...	2,123	0	0	
" " contingencies	...	...	...	196	12	3	
							2,319 12 3
" Conservancy establishment	...	...	...	1,259	7	8	
" Digging two conservancy wells	...	...	...	17	12	0	
							1,277 3 8
" Municipal police establishment and clothing allowance	...	...	...				9,350 0 10
" Monghyr pound establishment	...	...	...	72	0	0	
" " contingencies	...	...	...	6	12	0	
" Constructing new cattle pound	...	...	...	466	1	9	
							544 13 9

Local Improvement.

			Rs. As. P.	Rs. As. P.
By subscription to public garden	...	...	240 0 0	
" Cost of lighting town roads	...	...	481 7 4	
" Cost of 20 lamp-posts complete with lamps	...	...	864 10 0	
" Repairing and erecting lamp-posts within the town	...	...	197 12 8	
" Watering town roads	...	...	72 15 6	
" Cutting jungles within the town	...	...	71 1 0	
" Planting trees to roadside	...	...	71 12 9	
" Purchase of water-carts for the use of town	...	...	582 10 6	
" Salary of vaccinators	...	...	90 0 0	
" Digging portion of tank in fort	...	...	2,000 0 0	
" Constructing and repairing privies within the town	...	...	228 4 9	
" Constructing and filling drains in fort	...	...	941 10 0	
" Levelling and clearing fort land	...	...	309 14 0	
				6,152 2 6
<i>Roads.</i>				
By metalling road at Lalldurwaza and Dalhutta Bazaar	...	...	3,539 15 0	
" " at Balun Bazaar	...	...	984 12 0	
" " in fort	...	...	410 13 0	
" Repairing metalled road within the town...	...	...	246 5 0	
				5,181 13 0
" " cutcha town roads, &c.	...	...	1,099 4 11	
" Extending sha's road and constructing drains on the same	...	...	422 0 10	
" Raising road inside fort and Pooraneeegunge, &c.	...	...	584 11 6	
" Lengthening, repairing, and constructing drains within town	...	...	892 3 2	
				2,998 4 5
" Repairing municipal police station	...	...	111 8 0	
" Repairing and roofing Government shops belonging to the charitable dispensary	...	...	809 14 3	
				921 6 3
" Miscellaneous expenses	...	...	.....	3,709 11 9
" Balance on the 31st March 1870 in the treasury	...	...	9,161 11 4	
" " in hand of the overseer on the 31st March	...	...	414 13 9	
				9,576 9 1
Total			.....	43,411 13 6

Copy forwarded to the Commissioner of Bhanguhpore.

MONGHYR,
The 22nd April 1870.

(Sd.) G. N. BARLOW,
Chairman, Municipal Committee.

**Supplementary statements of mortality from cholera and other causes
among laborers in transit to the tea districts by steamers and
boats respectively, during the year 1869-70.**

*Statement of coolies despatched to Coochar and Sylhet by boats, and mortality in transit during
the year 1869-70.*

Months.		Number of coolies des- patched.	Total mortality.	Total per- centage of deaths.	Deaths from cholera.	Percentage of deaths from cholera.	Deaths from other causes.	Percentage of deaths from other causes.
April	1869	633	21	...	19	...	2	...
May	"	177	2	...	1	...	1	...
June	"	47	1	...	1	...	...	...
July	"	165	10	...	6	...	4	...
August	"	...	...	...	...	...	...	...
September	"	...	...	...	...	...	...	...
October	"	76	1	...	...	...	1	...
November	"	39	...	...	...	...	...	...
December	"	132	1	...	1	...	...	...
January	1870	78	1	...	...	...	1	...
February	"	107	...	...	...	...	...	...
March	"	202	5	...	4	...	1	...
Total	...	1,656	42	2.53	32	1.93	10	0.60

Statement of coolies despatched to Assam, and mortality in transit during the year 1869-70.

April	1869	380	18	...	18	...	...	...
May	"	305	2	...	1	...	1	...
June	"	195	5	...	5	...	...	...
July	"	...	...	...	...	...	...	...
August	"	34	1	...	...	...	1	...
September	"	...	...	...	...	...	...	...
October	"	297	...	...	...	...	...	...
November	"	513	3	...	...	...	3	...
December	"	294	...	...	...	...	...	...
January	1870	332	1	...	...	...	1	...
February	"	835	15	...	15	...	...	...
March	"	349	2	...	2	...	...	...
Total	...	3,534	47	1.32	41	1.16	6	0.16

*Statement of coolies despatched to Coochar by steamers, and mortality in transit during the
year 1869-70.*

April	1869	...	...	...	...	...	...	...
May	"	134	1	...	...	...	1	...
June	"	36	...	...	...	...	...	...
July	"	...	...	...	...	...	...	...
August	"	...	...	...	...	...	...	...
September	"	...	...	...	...	...	...	...
October	"	...	...	...	...	...	...	...
November	"	...	...	...	...	...	...	...
December	"	...	...	...	...	...	...	...
January	1870	...	...	...	...	...	...	...
February	"	...	...	...	...	...	...	...
March	"	...	...	...	...	...	...	...
Total	...	170	1	0.74	...	...	1	0.74

SUPERINTENDENT'S OFFICE, CALCUTTA,
The 10th August 1870.

J. G. GRANT,
Offg. Supdt. of Labor Transport.

Meteorological Telegraphic Report for the period 7th to 13th Aug. 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Weather initials.	Clouds.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Aug.	•			☉	☽				Inches.		
	7th	10	29.770	29.788	85.8	81.4	81	S S W	...	...	...	C, K
	16	29.684	29.702	87.7	81.5	74	z	...	...	...	...	...
	8th	10	29.815	29.833	86.3	81.5	79	S S W	...	...	scuds from s s w	K
	16	29.719	29.737	89.5	84.9	78	S S W	...	...	...	...	K, C
	10	29.796	29.814	86.6	81.9	76	S S W	...	...	...	...	K, N
	16	29.651	29.669	91.0	82.0	66	S S W	...	...	...	...	K
	10th	10	29.728	29.746	87.0	82.0	79	S W	...	...	...	CK
	16	29.590	29.608	90.2	83.5	74	S S W	...	...	...	...	K, C
	11th	10	29.688	29.706	87.0	82.0	79	S W	...	0.30	...	K
	16	29.584	29.602	86.6	81.6	76	S	...	...	...	t	K, S
	12th	10	29.660	29.678	82.5	81.7	97	W S W	...	0.61	o, d	...
	16	29.543	29.561	86.2	82.7	87	S by W	...	...	0.07	...	K
SAGOR ISLAND.	13th	10	29.609	29.627	84.5	80.3	83	W	...	0.52	...	CK
	16	29.477	29.495	83.6	81.4	80	S by W	...	...	...	...	N, C, K
	7th	10	29.779	29.785	86	81	79	S W	1	...	b	N
	16	29.725	29.731	87	81	75	S W	2	...	...	b	N
	8th	10	29.839	29.845	87	82	79	S W	2	...	b	N
	16	29.738	29.744	88	82	76	S W	1	...	...	b	N
	10th	10	29.837	29.843	88	82	76	W S W	2	...	b	N
	16	29.670	29.676	88	83	80	W S W	2	...	...	b	N
	10th	10	29.762	29.768	88	83	80	W	3	0.10	b, v	N
	16	29.622	29.628	89	83	76	W S W	3	...	...	b	N
	11th	10	29.717	29.723	88	84	83	W S W	2	...	b	N
	16	29.594	29.600	89	85	84	W S W	2	...	...	b	N
	12th	10	29.681	29.687	86	84	91	W	2	...	o, u	N
CHITTAGONG.	16	29.559	29.565	88	84	83	W S W	1	...	...	o	N
	13th	10	29.628	29.634	86	83	87	N W	...	0.20	o, v	N
	16	29.509	29.515	82	80	91	S W	1	0.50	o, v, u	...	N
	7th	10	29.702	29.714	78	77	95	E N E	2.38	3.70	g, r, t, o	KS
	16	29.675	29.685	85	80	79	E	8.1*	...	...	b	KS
	8th	10	29.808	29.810	83	79	83	S	3.3*	0.10	n, g	KS
	16	29.679	29.687	91	83	70	W	5.4*	...	...	b	K, CS
	10th	10	29.724	29.734	89	83	76	S	3.8*	0.50	b, v	K, KS
	16	29.580	29.584	90	83	73	W S W	7.1*	...	...	b	K
	10th	10	29.680	29.690	83	80	87	S E	4.6*	1.10	g, v, r, t, l	K, KS
	16	29.530	29.538	83	84	80	W S W	1.7*	0.30	b, v	...	K, CS
	11th	10	29.599	29.610	74	77	95	N N E	6.9*	0.50	d, u, g	N
	16	29.517	29.526	89	82	73	W S W	9.1*	0.10	p, m	...	K, KS, CK
MADRAS.	12th	10	29.580	29.591	89	79	95	N N W	6.7*	8.50	o, r	N
	16	29.510	29.520	82	79	87	S S E	7.0*	0.30	p, v	...	KS
	13th	10	29.518	29.527	86	81	79	S E	3.6*	0.40	b, v	K, KS
	16	29.393	29.402	85	80	79	W	9.0*	...	...	b	K, KS, CS
	6th	10	29.818	29.818	77	75	90	W by S	2*	0.80	o	...
	16	29.648	29.678	87	76	58	W N W	7*	...	...	a	...
	7th	10	29.791	29.821	89	76	82	W by S	12*	0.16	o	...
	16	29.655	29.685	87	79	68	N W	5*	...	...	b, c	...
	8th	10	29.795	29.825	84	78	75	S W by W	3*	0.76	b, c	...
	16	29.746	29.776	83	77	75	W	5*	0.35	b, c	...	...
	10th	10	29.831	29.841	84	77	71	W S W	3*	0.11	b, c	...
	16	29.685	29.715	84	78	71	N N E	11*	...	...	b, c	...
	10th	10	29.803	29.833	84	78	75	S W	10*	...	b, c	...
CUTTACK.	16	29.662	29.692	81	77	71	S E	11*	...	...	b, c	...
	11th	10	29.789	29.819	84	77	75	S W	5*	...	b, c	...
	16	29.652	29.712	85	79	75	S E	13*	...	...	b, c	...
	12th	10	29.796	29.826	87	79	68	S	5*	...	b, c	...
	16	29.675	29.705	84	78	75	S E	12*	...	...	b, c	...
	6th	10	29.771	29.854	86	81	79	N N E	1*	1.10	r	N, KS
	16	29.659	29.741	87	81	76	S E	2.7*	...	...	...	KS
	7th	10	29.729	29.811	86	81	79	E N E	4*	1.10	b	...
	16	29.677	29.759	87	81	76	S S E	10*	...	...	...	KS
	8th	10	29.788	29.870	84	83	80	W S W	4*	...	b	...
	16	29.684	29.746	89	87	91	S S E	11*	...	...	b	C, CS
	10th	10	29.707	29.879	89	83	76	E N E	4*	...	b	...
	16	29.611	29.723	90	82	69	S S W	13*	...	...	...	CS
AKRAB.	10th	10	29.749	29.831	88	82	76	S W	9*	...	b	C
	16	29.592	29.673	90	83	73	S S W	27*	...	...	b	C
	11th	10	29.694	29.775	90	84	76	S	2*	...	b	CS
	16	29.587	29.669	88	83	80	S S W	4*	...	...	d, t	N, KS
	12th	10	29.697	29.779	89	82	73	S W	10*	...	...	CK
	16	29.559	29.670	91	83	70	S S W	5.5*	...	...	...	KS, N
	7th	10	29.779	29.794	84	77	82	S E	1	...	o, d	...
	16	29.754	29.769	83	79	83	S	1	0.30	g	...	C, CS
	8th	10	29.799	29.814	81	78	86	S E	1	2.30	g	KS, N
	16	29.761	29.776	84	80	83	S	1	...	...	b	C, CK, CS
	10th	10	29.840	29.855	84	80	83	S E	1	...	b	C, CK, CS
	16	29.739	29.754	85	80	79	S W	1	...	...	b	C, CS
	10th	10	29.794	29.809	83	79	83	S W	1	0.40	b	C, CK, CS
AKRAB.	16	29.709	29.724	85	80	79	S W	1	...	...	b	C, CS, C, K
	11th	10	29.751	29.766	84	80	83	S W	1	...	b	C, CK, CS
	16	29.639	29.654	85	80	79	S W	1	...	...	g	KS, N
	12th	10	29.731	29.746	84	80	83	S W	1	0.80	g	CS, KS
	16	29.642	29.657	80	76	82	S	1	0.90	d	...	N, KS
	13th	10	29.725	29.740	79	76	86	S W	1	...	g	N
	16	29.619	29.634	81	77	83	S W	1	...	...	g	CS, KS, N

* Velocity of wind in miles per hour.

CALCUTTA,
The 13th August 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

CIRCUIT.	STATIONS.	Rainfall from 25th to 31st July 1870.	Rainfall from 1st to 7th August 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
		Inch.	Inch.	Inch.		
SOUTH-WESTERN.	Pooree ...	1.22	Not received	11.04	31st July 1870.	
	False Point ...	2.75	ditto	20.55	ditto.	
	Cuttack { Telegraph Office ...	1.60	2.79	22.00	7th Aug. 1870.	
	Cuttack { Jail ...	1.65	1.83	21.54	ditto.	
	Sambulpore ...	6.77	Not received	28.08	31st July 1870...	Not received 18th to 24th July.
	Balesore ...	1.66	ditto	21.90	ditto.	
	Bhadruck ...	2.47	1.03	15.38	7th Aug. 1870...	From 16th June.
	Khoordah ...	3.81	Not received	11.47	31st July 1870 ..	From 27th June.
	Midnapore ...	Not received	ditto	4.20	5th June 1870.	
	Bancoorah ...	7.85	1.09	24.94	7th Aug. 1870.	
WESTERN.	Chyebassa ...	2.04	3.06	30.20	ditto.	
	Purulia ...	3.11	4.75	28.90	ditto.	
	Gobindpore ...	Not received	Not received	0.98	5th June 1870...	From 23rd May.
	Palamow ...	2.07	ditto	20.62	31st July 1870...	From 6th June.
	Burdwan ...	3.15	1.06	19.27	7th Aug. 1870.	
	Cutwa ...	3.14	0.99	10.61	ditto ...	From 4th July.
	Culna ...	5.14	2.90	0.97	ditto ...	ditto.
	Blood-Blood ...	2.25	1.40	6.26	ditto ...	ditto.
	Rauregunge ...	5.13	4.20	36.21	ditto.	
	Sooree ...	4.42	0.72	25.07	ditto ...	Not received 4th to 10th July.
CENTRAL.	Deoghur ...	1.19	2.68	26.15	ditto.	
	Burhee ...	6.97	1.47	27.15	ditto ...	Not received 3rd to 16th January and 7th February to 6th March.
	Hazareebagh ...	Not received	5.70	26.73	ditto ...	Not received 25th to 31st July.
	Panchauba ...	3.25	2.24	5.49	ditto ...	From 25th July.
	Ranchee ...	2.34	7.79	36.68	ditto.	
	Sasseran ...	5.09	Not received	27.59	31st July 1870 ..	From 29th March.
	Saugor Island ...	5.60	1.90	33.80	7th Aug. 1870.	
	Contai ...	3.23	6.48	15.48	ditto.	
	Calcutta ...	5.31	3.19	35.17	ditto.	
	Howrah ...	5.86	3.00	31.32	ditto.	
NORTH-WESTERN.	Alipore ...	5.47	2.77	26.97	ditto ...	From 30th May.
	Barrackpore ...	7.70	Not received	11.91	31st July 1870...	From 16th May.
	Dum Dum ...	6.85	ditto	18.90	ditto ...	ditto.
	Baraset ...	2.56	ditto	19.47	ditto ...	ditto.
	Satkerah ...	1.20	ditto	18.88	ditto ...	ditto.
	Boserhaut ...	4.59	ditto	15.88	ditto ...	ditto.
	Diamond Harbour ...	4.59	ditto	23.40	ditto ...	ditto.
	Barriore ...	5.23	ditto	28.59	ditto ...	ditto.
	Hoochly ...	8.02	1.40	33.41	7th Aug. 1870.	
	Jessore ...	3.98	2.72	38.19	ditto.	
NORTH-WESTERN.	Kishnaghur ...	4.34	0.65	19.14	ditto ...	From 17th January, and not received 4th to 10th April, and 4th to 17th July.
	Ranaghat ...	2.38	2.18	22.15	ditto ...	From 7th February, and not received 4th to 10th April.
	Bongong ...	1.94	0.93	21.49	ditto ...	From 10th January, and not received 4th to 10th April.
	Meharpore ...	4.80	0.53	24.93	ditto ...	From 7th February, and not received 4th to 10th April.
	Chondangah ...	4.85	1.00	25.67	ditto ...	ditto, ditto.
	Koosteah ...	3.77	1.45	30.39	ditto.	
	Berhaupore ...	0.81	0.56	26.91	ditto.	
	Furreepore ...	6.68	3.10	43.00	ditto.	
	Dowlat Khan ...	2.86	Not received	6.48	31st July 1870...	From 9th July.
	Burrisaul ...	4.84	4.84	45.36	7th Aug. 1870.	
NORTH-WESTERN.	Prozepore ...	10.31	1.41	14.69	ditto ...	From 11th July.
	Madaripore ...	3.96	3.23	9.06	ditto ...	ditto.
	Bhangulpore ...	3.86	2.08	23.07	ditto.	
	Mudheypoorah ...	0.37	1.88	21.03	ditto ...	From 2nd May.
	Banka ...	2.47	1.45	20.27	ditto ...	From 25th April, and not received 20th to 26th June.
	Monghyr ...	2.63	1.95	21.10	ditto.	
	Janoie ...	3.18	3.98	35.98	ditto ...	From 25th April.
	Begoosari ...	2.11	Not received	16.02	31st July 1870 ...	From 6th May, and not received 23rd to 29th May.
	Gya ...	5.55	3.76	21.36	7th Aug. 1870.	
	Sherghotty ...	3.61	Not received	17.58	31st July 1870...	From 13th June.
NORTHERN.	Nowadah ...	2.22	ditto	13.78	ditto ...	From 20th June.
	Behar ...	1.20	1.91	16.54	7th Aug. 1870...	From 21st March.
	Patna ...	3.40	1.75	15.62	ditto.	
	Arungabad ...	7.05	Not received	15.89	31st July 1870...	From 11th July.
	Bhulhoah ...	6.23	ditto	25.29	ditto ...	From 25th April.
	Barh ...	3.21	4.10	14.43	7th Aug. 1870...	From 16th May, and not received 4th to 10th July.
	Arrah ...	3.53	1.71	19.11	ditto.	
	Buxar ...	2.77	0.49	19.06	ditto.	
	Chuprah ...	3.63	1.67	23.10	ditto.	
	Sewan ...	1.59	Not received	24.14	31st July 1870...	From 2nd May.
NORTHERN.	Chumparun ...	Nil	ditto	34.36	ditto.	
	Benares ...	5.55	4.65	27.41	7th Aug. 1870.	
	Mozufferpore ...	1.90	3.30	38.80	ditto ...	From 1st March.
	Dinaapore ...	2.60	3.44	17.50	ditto ...	From 14th February.
	Rampore Beaulah ...	1.68	3.09	20.85	ditto.	
	Natore ...	1.57	Not received	17.13	31st July 1870...	From 2nd May, and not received 20th to 26th June.
	Pubna ...	3.93	1.88	31.82	7th Aug. 1870.	
	Coomercolly ...	6.33	Not received	26.77	31st July 1870 ..	From 2nd May.
	Serajunge ...	1.04	ditto	18.57	ditto ...	From 15th May.
	Maldah ...	1.10	4.20	24.52	7th Aug. 1870...	Not received 4th to 10th July.

CIRCUIT.	STATIONS.	Rainfall from 25th to 31st July 1870.	Rainfall from 1st to 7th Aug. 1870.	RAIN FROM 1st JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
		Inch.	Inch.	Inch.		
NORTHERN.—(Contd.)	Bograh	3.00	Not received	38.68	31st July 1870.	
	Dinapore	0.81	1.33	47.98	7th Aug. 1870 ...	Not received 27th June to 3rd July.
	Rangpore	0.18	Nil	77.71	ditto.	
	F. Jacottah	1.49	2.73	37.43	ditto ...	From 4th July.
	Boda	1.48	0.15	41.96	ditto ...	From 27th June.
	Titulya	0.79	1.78	52.36	ditto ...	Ditto.
	Buxa	Not received	Not received	100.10	30th June 1870 ...	Not received 1st to 31st May.
	Rangbee	ditto	ditto	23.25	31st May 1870.	
	Darjeeling { Telegraph Office	ditto	ditto	64.43	15th July 1870.	
	Jail	4.45	3.84	74.19	7th Aug. 1870.	
NORTH-EASTERN.	Terai	2.01	Not received	74.01	31st July 1870 ...	From 27th June.
	Gowalparah	2.27	ditto	91.56	ditto.	
	Dhobree	3.25	1.35	66.63	7th Aug. 1870 ...	From 30th May.
	Gowhattie	2.20	Not received	39.57	31st July 1870.	
	Toora (Garo Hills)	1.27	ditto	53.21	ditto ...	From 13th June.
	Shillong	2.05	ditto	27.29	ditto.	
	Jowai	3.13	ditto	49.40	31st July 1870 ...	From 21st June.
	Naunkow	Not received	ditto	11.60	31st May 1870.	
	Nowzong	ditto	ditto	48.90	24th July 1870 ...	Not received 2nd to 8th May.
	Tezporo	2.05	ditto	56.03	31st July 1870.	
EASTERN.	Dholebagann	2.14	ditto	47.61	ditto.	
	Burpettah	0.30	ditto	15.59	ditto ...	From 4th July.
	Sebsanzor	7.39	ditto	58.26	ditto.	
	Debrooghur	2.75	ditto	92.29	ditto.	
	Suddya	Not received	ditto	37.74	24th July 1870 ...	From 20th June.
	Samoogoodting	ditto	ditto	24.75	ditto ...	From 3rd January.
	Dacca { Telegraph Office	ditto	ditto	20.39	30th June 1870 ...	Not received 1st to 15th June.
	Jail	1.90	ditto	25.15	31st July 1870 ...	Not received 4th to 10th July.
	Mymensing	0.61	4.03	41.40	7th Aug. 1870.	
	Jamulpore	1.44	2.29	22.89	ditto ...	From 20th June.
SOUTH-EASTERN.	Atteah	5.39	3.19	10.71	ditto ...	From 11th July.
	Kishorgunge	1.48	3.83	7.16	ditto ...	From 1st July, and not received 4th to 10th July.
	Sylhet	3.90	Not received	81.02	31st July 1870.	
	Cachar	4.92	ditto	61.55	ditto.	
	Aenakhall Hylakandy	8.31	ditto	59.37	ditto.	
	Tipperah	1.51	ditto	38.26	ditto.	
	Brahmanbariah	1.12	ditto	2.55	ditto ...	From 11th July.
	Noakhally	4.10	ditto	38.37	ditto.	
	Chittagong { Telegraph Office	3.30	7.30	45.71	7th Aug. 1870.	
	Jail	2.75	Not received	32.73	31st July 1870 ...	
SOUTH-EASTERN.	Rangamates Hill	3.80	ditto	43.10	ditto.	
	Akyab	14.00	3.20	101.60	7th Aug. 1870.	

CALCUTTA,
The 13th August 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th August 1870.

MONTH.	Date.	Mean reduced Barometer.	THERMOMETER.		Max. Solar radiation.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean degree of humidity.	WIND.			Rain.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			lb.	Miles.	Inches.	
August	8th	29.764	90.0	81.4	120.0	84.9	81.1	78.4	0.81	S by W & SSW	...	163.5	...	Cumuli and cirri. Drizzled at 9 A.M. and 1½ P.M.
	9th	726	91.8	81.5	128.0	85.5	81.3	78.4	80	S by W & SSW	0.6	193.7	...	Chiefly cumuli. Thunder at 10 P.M. Lightning on W. at 8 and 10½ P.M. Drizzled at 11½ P.M.
	10th	666	90.5	81.0	130.0	85.5	81.8	79.2	82	SW & SSW	0.3	218.2	...	Cirro cumuli and cumuli.
	11th	632	91.5	89.0	135.0	84.9	81.6	79.3	84	SW & SSW	...	179.5	0.30	Cirri and cumuli. Thunder at 4 P.M. Rain at 2½ A.M.
	12th	606	86.2	78.7	...	82.1	80.4	79.2	91	SSW, N by W & WSW	...	121.8	1.15	Overcast. Thunder at 3¼ A.M. & 6 P.M. Lightning from 2 to 4 A.M. & at 7 P.M. Rain from 3¼ to 12 A.M. and at 6, 10, & 11 P.M.
	13th	561	86.0	78.5	110.4	81.2	78.9	77.3	88	WSW & W by N	...	109.1	1.06	Overcast and cirro cumuli. Rain after intervals.
	14th	475	89.4	78.0	130.0	81.7	79.0	77.1	86	SW, WSW & S by W	...	108.1	0.18	Overcast & cumuli. Thunder at 7¼ P.M. Slight rain after intervals.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the Anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	13.8
The max. temperature during the past seven days	...	91.8
The max. temperature during the corresponding period of the past year	...	90.7
The mean humidity during the past seven days	...	0.85
The mean humidity during the corresponding period of the past year	...	0.85
		Inches.
The total fall of rain from 8th to 14th	{ by lower rain gauge	2.69
	{ by Anemometer gauge	2.31
Ditto ditto, average of sixteen previous years	...	3.23
Ditto between the 1st January and the 14th August	...	37.76
Ditto ditto ditto, average of 16 years...	...	44.39

GORENAUTH SEN,
In charge of the Observatory.

The 15th August 1870.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for week ended 30th July 1870 on 1,131½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.			Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total Traffic for the week ...	81,722	1,04,467 0 7	9,576 2 11		4,78,409 0	3,56,712 3 0	32,151 7 4	41,727 10 3	
Or per mile of Railway ...	...	92 5 3	8 9 5		...	309 15 8	28 8 4	36 17 7	
For previous 3 weeks of half-year	3,09,189	3,85,451 4 5	35,333 0 8		18,23,161 0	11,40,584 7 0	105,131 1 6	140,464 2 2	
Total for 4 weeks ...	3,30,961	4,89,918 5 0	44,909 3 7		23,61,510 0	14,97,626 10 0	157,282 8 10	182,191 12 5	
COMPARISON.									
Total for corresponding week of previous year ...	85,011½	1,08,155 13 7	9,914 5 9		5,33,194 0	3,09,860 12 10	28,465 18 2	58,318 3 11	
Per mile of Railway corresponding week of previous year ...	...	95 10 1	8 15 4		...	273 15 6	25 2 3	33 17 7	
Total to corresponding date of previous year ...	4,16,236½	5,03,472 13 6	46,151 13 6		21,85,611 20	12,63,183 4 7	115,791 16 0	1,61,948 9 6	

• • Rs. 9,073-3-9 added on account of freight of locomotive coal carried on Jubbulpore line.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for week ended 30th July 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	3,399½	8,393 12 8	769 8 7	12,649 30	4,739 10 0	434 9 4	1,263 17 11
Or per mile of Railway ...	...	37 10 3	3 9 0	...	21 4 1	1 19 0	5 8 0
For previous 3 weeks of half-year	12,372	30,782 10 7	2,821 14 10	61,956 10	18,921 13 3	1,652 0 1	4,473 14 11
Total for 4 weeks ...	15,762½	39,176 7 3	3,591 3 5	74,606 0	22,761 7 3	2,086 9 5	5,677 12 10
COMPARISON.							
Total for corresponding week of previous year ...	2,485	5,862 13 3	537 8 6	30,885 20	7,051 15 6	646 8 7	1,183 17 1
Per mile of Railway corresponding week of previous year ...	...	26 4 8	2 8 2	...	31 9 11	2 18 0	5 6 2
Total to corresponding date of previous year ...	12,558	28,862 7 11	2,645 14 7	1,36,571 30	31,517 14 7	2,589 2 0	5,534 17 4

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 30th July 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	21,902	12,355 5 3	1,132 11 5	79,807 38	14,361 2 9	1,316 8 10	2,449 0 5
Or per mile of Railway ...	193	109 1 7	10 0 0	705 0	126 12 11	11 12 6	21 12 6
For previous 4 weeks of half-year	86,621	44,041 3 6	4,037 2 2	2,75,259 8	59,125 4 10½	4,594 16 5	8,631 18 7
Total for 5 weeks ...	1,08,523½	56,396 8 9	5,169 13 7	3,55,127 6	64,486 7 7½	5,911 5 3	11,080 18 16
COMPARISON.							
Total for corresponding week of previous year ...	23,054	13,167 6 10½	1,206 1 11	91,186 18	17,377 15 3	1,592 19 7	2,789 1 6
Per mile of Railway corresponding week of previous year ...	204	116 2 11	10 13 0	832 0	153 7 2	14 1 4	24 14 4
Total to corresponding date of previous year ...	1,08,811	60,907 0 3½	5,590 12 9	4,51,788 20½	83,210 11 3	7,627 13 0	13,128 5 9

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 30th July 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	4,505	749 7 6	74 18 11	8,157 14	246 11 3	24 13 5	99 12 4
Or per mile of Railway ...	154	26 12 3	2 13 6	291 0	8 13 0	0 17 8	3 11 2
For previous 17 weeks of half-year	97,474	16,625 7 0	1,662 10 11	1,80,866 0	6,354 8 6	635 9 1	2,298 0 0
Total for 18 weeks ...	1,01,779	17,374 14 6	1,737 9 10	1,89,023 14	6,601 3 9	660 2 6	2,397 12 4
COMPARISON.							
Total for corresponding week of previous year ...	4,089½	785 13 7½	70 4 9	5,487 0	346 2 6	31 14 8½	101 18 8
Per mile of Railway corresponding week of previous year ...	146	27 5 8	2 10 2	196 0	12 5 8	1 2 8	3 12 16
Total to corresponding date of previous year ...	86,782	16,536 13 0½	1,515 17 3	2,62,318 21	13,860 10 3	1,270 11 2	2,786 8 5

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 6th August 1870 on 1,131½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.				
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.		
Total Traffic for the week	83,123	1,04,365 14 0	9,566 17 5	4,32,968 30	3,27,554 13 6	30,024 0 7	39,590 18 0		
Or per mile of Railway	.....	92 3 10	8 9 1	.....	289 7 6	26 10 0	34 19 10		
For previous 4 weeks of half-year	3,290,391	4,89,918 0 0	41,909 3 7	23,01,510 0	14,97,626 10 0	137,282 8 10	182,191 12 5		
Total for 5 weeks	4,71,984	5,94,281 3 0	51,476 1 0	27,31,478 30	18,25,161 7 6	167,300 9 5	221,782 10 5		
COMPARISON.									
Total for corresponding week of previous year	85,116	1,06,983 3 9	9,797 12 7	5,41,592 20	2,91,892 7 8	26,748 11 3	36,546 3 10		
Per mile of Railway corresponding week of previous year	.....	94 8 0	8 13 3	.....	258 0 1	23 13 0	32 0 3		
Total to corresponding date of previous year	5,01,333	6,10,356 1 3	55,919 6 1	27,28,204 0	15,54,985 12 3	142,510 7 3	198,489 13 4		

* Rs. 3,473-3-3 added on account of East Indian Railway proportion due from G. I. P. Railway for first nine days and week ending 16th July 1870.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 6th August 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week	2,276	7,890 13 1	723 6 6	21,250 20	9,714 10 9	893 5 3	1,616 11 9
Or per mile of Railway	10	35 6 2	3 4 11	95 0	43 11 2	4 0 1	7 5 0
For previous 4 weeks of half-year	15,762	39,176 7 3	3,520 3 5	71,006 0	22,761 7 3	2,086 9 5	5,677 12 10
Total for 5 weeks	18,038	47,067 4 4	4,314 9 11	98,856 20	32,506 2 0	2,979 14 8	7,294 4 7
COMPARISON.							
Total for corresponding week of previous year	2,727	6,329 6 0	580 3 10	31,679 0	7,710 12 6	706 10 5	1,287 0 3
Per mile of Railway corresponding week of previous year	12	28 6 1	2 12 0	141 0	34 9 3	3 3 5	5 15 5
Total to corresponding date of previous year	15,285	35,191 13 11	3,225 18 5	1,68,250 30	39,228 11 1	3,595 19 2	6,821 17 1

* Rs. 5,895-3-9 added on account of Jubbulpore line proportion due from G. I. P. Railway for first nine days and week ending 16th July 1870.

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 6th August 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week	21,137	11,730 13 3	1,074 8 3	81,792 18	12,391 1 9	1,135 17 6	2,210 5 5
Or per mile of Railway	187	103 7 11	9 9 9	722 0	109 6 7	10 0 7	19 10 4
For previous 5 weeks of half-year	1,08,623	56,396 8 9	5,169 13 7	3,55,127 6	61,486 7 7	5,911 5 3	11,080 18 10
Total for 6 weeks	1,29,660	68,117 6 0	6,244 1 10	4,36,919 24	76,877 9 4	7,047 2 3	13,291 4 1
COMPARISON.							
Total for corresponding week of previous year	24,259	13,338 14 3	1,222 14 7	60,239 19	13,040 11 2	1,195 8 0	2,418 2 7
Per mile of Railway corresponding week of previous year	214	117 12 3	10 15 11	532 0	115 2 5	10 11 2	21 7 1
Total to corresponding date of previous year	1,33,061	73,345 14 7	6,723 7 8	5,12,020 19	90,251 6 8	8,823 0 11	15,546 8 4

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 6th August 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week	4,453	761 10 9	75 9 4	9,079 28	377 13 6	37 15 8	114 5 0
Or per mile of Railway	159	27 4 11	2 14 7	326 0	13 7 11	1 7 0	4 3 7
For previous 18 weeks of half-year	1,01,770	17,374 14 6	1,737 9 10	1,89,923 11	6,691 3 9	660 2 6	2,397 12 4
Total for 19 weeks	1,06,223	18,139 9 3	1,813 19 2	1,99,003 2	6,979 1 3	697 19 2	2,511 17 4
COMPARISON.							
Total for corresponding week of previous year	4,069	783 1 5	71 15 8	6,414 11	314 14 3	74 13 11	144 6 7
Per mile of Railway corresponding week of previous year	145	27 15 8	2 11 3	230 0	29 1 8	2 13 4	5 4 6
Total to corresponding date of previous year	90,851	17,319 18 5	1,587 12 11	2,08,762 32	14,075 8 6	1,345 5 1	2,662 18 0



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 24, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Administration Report of the Burdwan Municipality for the year 1869-70.

From the Chairman of the Burdwan Municipality, to the Commissioner of the Burdwan Division,—(dated Burdwan, the 1st June 1870.)

I HAVE the honor to submit, on behalf of the municipal commissioners for the town of Burdwan, the annual administration report of the Burdwan Municipality for the past official year 1869-70.

2. At the commencement of the year the municipality numbered 16 commissioners, viz.—

Mr. W. E. Ward, officiating magistrate (ex-officio member); Mr. J. Hyde, executive engineer, (ex-officio member); Mr. Larminie, officiating district superintendent of police, (ex-officio member.)

MEMBERS.

Mr. J. Ward, assistant magistrate (vice-chairman); Dr. A. A. Mantell, civil surgeon; Captain H. W. Garnault, superintending engineer, canals.

Baboo Bonomalee Mookerjee; Baboo Paranundo Mookerjee; Baboo Motee Lal Chowdhery; Baboo Mohanundo Roy; Baboo Brij Lal Tewaree; Baboo Muddon Mohan Tewaree; Baboo Muddon Lal Burmon; Baboo Punjab Lal Burmon; Moonshee Zohud Roheem.

3. Among these the following changes have occurred during the year:—Mr. Hyde, Mr. Larminie, and Mr. J. Ward, have left the station.

Mr. Hyde, ex-officio member, was succeeded in June by Lieutenant-Colonel Davis, who left the station in November. Mr. Rayner, the present executive engineer of the grand trunk road, 1st division, an ex-officio commissioner, has declined to accept the post. Mr. Larminie, ex-officio member, was succeeded by Mr. Blair in April, who in turn was succeeded in March by Mr. Charles. Mr. J. Ward (vice-chairman) left the station in May. Mr. Henderson, joint-magistrate, was appointed vice-chairman in May, but left the station again in March.

4. The following gentlemen were appointed municipal commissioners during the year:—Lieutenant-Colonel J. J. Hume, superintending engineer; Mr. H. Unwin, executive engineer, Damoodah Division.

5. At the close of the year the commissioners numbered 16 members, of whom 7 were European and 9 Native.

6. No changes occurred among the native commissioners.

7. The following are the number of the meetings of the commissioners held during the year:—ordinary general meetings, 14; special, 3; total, 17.

8. Appendix A shows the attendance of the commissioners at these meetings; the average attendance of each being a little over seven, and equal to that of last year.

9. On one occasion (the 20th November) the attendance of commissioners was too small to form a quorum.

10. The ordinary municipal meetings are still, as a rule, held on the 5th and 20th of each month. No meetings were, however, convened on the following dates, there being no business to lay before them:—5th April 1869, 5th July 1869, 5th September 1869, 20th September 1869, 5th February 1870 and 20th February 1870.

11. Special meetings were called for the following reasons:—

(1.) 10th September 1869:—To consider what measures should be taken to assist the fever-stricken in the town, and to vote a sum of Rs. 300 to meet the pay, allowances, &c., of a native doctor.

(2.) 1st November 1869:—To consider the subject of erecting an experimental latrine at Radhanuggur.

(3.) 24th November 1869:—To consider the business intended for the ordinary meeting of the 20th November, which was not held in consequence of the want of a *quorum*.

12. The only subject referred in the course of the year to a sub-committee (beyond the usual quarterly audits of the finance sub-committees), was the consideration, by a special sub-committee, of certain suggestions relative to the improvement of the town made by the sanitary commissioner of Bengal in his letter to Government dated the 12th November 1869, a copy of which was laid before the ordinary general meeting held on the 6th January 1870. This report still awaits submission.

13. *Income*.—Subjoined are the sources from which the income for the past year has been derived:—(1.) balance from 1868-69, (2) house-rate, (3) fines, (4) tolls and ferries, (5) miscellaneous. It amounted to Rs. 56,544-6-4, or about Rs. 7,944-6-4 in excess of the estimate.

14. The following tabular statement shows the actual income under each head as compared with the estimate:—

Details.	Budget Estimate.	Actual Receipts.	Excess.	Deficit.	Remarks.
	Rs.	Rs. As. P.	Rs. As. P.		
Balance from 1868-69 ...	4,000	7,561 9 7	3,561 9 7		
House-rate ...	37,000*	37,726 0 9	726 0 9		* Includes Rs. 21-7-9 arrears of 1868-69.
Fines ...	1,000†	1,003 4 0	3 4 0		† Rs. 150-13-0 uncollected arrears of 1868-69 included.
Tolls and Ferries ...	2,800	3,225 0 0	425 0 0		
Miscellaneous ...	3,800	7,028 8 0	3,228 8 0		
Total Rs. ...	48,600	56,544 6 4	7,944 6 4		

15. *Balance from 1868-69*.—The excess under this head, over the estimate, arose (as was the case in the balance of 1867-68,) from unspent allotments under several heads of expenditure, under which it was anticipated, whilst preparing the budget, no balance would have remained.

16. *House-rate*.—The accompanying table gives the state of the collections under this head at the close of the year, from which it will be seen that the estimate has been exceeded by a sum of Rs. 726-0-9.

Details.	Due.	Collection.	Remitted.	Uncollected.
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
Arrears of 1868-69 ...	21 7 9	13 10 6	5 8 3	2 5 0
1st quarter, 1869-70 ...	9,489 8 6	9,453 6 6	30 1 6	6 0 6
2nd " " ...	9,550 7 6	9,448 6 0	93 8 6	8 9 0
3rd " " ...	9,556 10 6	9,450 1 3	88 7 3	18 2 0
4th " " ...	9,553 7 9	9,360 8 6	163 10 9	29 4 6
Total Rs. ...	38,171 10 0	37,726 0 9	381 4 3	64 5 0

17. The arrears of the year under consideration are small, and are due solely (as last year) on account of empty houses the owners of which do not reside within the municipal jurisdiction. To recover this amount measures are being taken. A small amount of the arrears of 1868-69 yet await realization, to recover which suits were instituted in the civil court and decrees obtained.

18. The remissions during the year have been unusually small, considering the unfavorable year that has passed. Remissions were made for the following causes to these amounts:—ruined houses, Rs. 112-15-3; poverty of owners, &c., Rs. 46-13-6; Vacant Rs. 221-7-6; total, Rs. 381-4-3.

19. The two first heads of remission include almost exclusively houses the yearly valuation of which ranges from Rs. 12 to 24.

20. The excess house-rate collections over the budget estimate, are due entirely to the fact that a number of holdings, previously unnoticed, were brought under assessment during the year.

21. *Fines*.—The collections on account of fines have exceeded the estimate by Rs. 3-4-0. The income from fines is due almost entirely (as last year) to the exertions of the three conservancy sub-overseers. A balance of Rs. 136 on account of fines remained uncollected at the close of the year.